

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009648.D
 Acq On : 17 May 2019 07:57
 Operator : JC/SP
 Sample : K2887-15MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Manual Integrations
 APPROVED

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 5/17/2019 1:21:26 PM

Quant Time: May 17 09:01:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	152170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249449	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115333	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	108939	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	5.50	113	81225	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	8.71	98	315839	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.13	95	119996	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	60241	42.960	ug/l	99
3) Chloromethane	1.32	50	93329	48.749	ug/l	99
4) Vinyl Chloride	1.41	62	92403	49.497	ug/l	98
5) Bromomethane	1.64	94	59974	53.524	ug/l	96
6) Chloroethane	1.72	64	59565	49.696	ug/l	99
7) Trichlorofluoromethane	1.93	101	116596	51.381	ug/l	98
8) Diethyl Ether	2.19	74	56095	52.186	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69936	49.077	ug/l	99
10) Methyl Iodide	2.51	142	89368	53.610	ug/l	99
11) Tert butyl alcohol	3.05	59	131493	273.463	ug/l	100
12) 1,1-Dichloroethene	2.37	96	72185	50.557	ug/l	97
13) Acrolein	2.29	56	93904	215.639	ug/l	99
14) Allyl chloride	2.73	41	168997	48.569	ug/l	99
15) Acrylonitrile	3.14	53	318383	270.803	ug/l	100
16) Acetone	2.45	43	277083	248.409	ug/l	98
17) Carbon Disulfide	2.57	76	193329	48.228	ug/l	99
18) Methyl Acetate	2.78	43	136930	51.619	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	297178	53.599	ug/l	100
20) Methylene Chloride	2.85	84	90275	49.985	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	77946	50.338	ug/l	99
22) Diisopropyl ether	3.85	45	357938	53.491	ug/l	97
23) Vinyl Acetate	3.82	43	1562851	272.746	ug/l	100
24) 1,1-Dichloroethane	3.70	63	172976	52.401	ug/l	99
25) 2-Butanone	4.67	43	466857	269.339	ug/l	98
26) 2,2-Dichloropropane	4.59	77	68217	27.763	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	94782	51.282	ug/l	96
28) Bromochloromethane	5.02	49	63756	47.862	ug/l	100
29) Tetrahydrofuran	5.13	42	310162	278.073	ug/l	98
30) Chloroform	5.21	83	160894	53.891	ug/l	100
31) Cyclohexane	5.58	56	155142	50.516	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	130266	52.414	ug/l	99
36) 1,1-Dichloropropene	5.80	75	116821	50.394	ug/l	99
37) Ethyl Acetate	4.84	43	170452	52.773	ug/l	99
38) Carbon Tetrachloride	5.79	117	109737	52.102	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136011	47.775	ug/l	98
40) Benzene	6.14	78	367977	51.291	ug/l	99
41) Methacrylonitrile	5.04	41	102301	53.208	ug/l	99
42) 1,2-Dichloroethane	6.19	62	136734	53.131	ug/l	99
43) Isopropyl Acetate	6.45	43	277195	53.654	ug/l	99
44) Trichloroethene	7.21	130	88151	50.825	ug/l	100
45) 1,2-Dichloropropane	7.51	63	106209	52.282	ug/l	99
46) Dibromomethane	7.66	93	60419	51.216	ug/l	98
47) Bromodichloromethane	7.90	83	124008	52.698	ug/l	97
48) Methyl methacrylate	7.77	41	141476	55.196	ug/l	99
49) 1,4-Dioxane	7.74	88	51715	994.889	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	939241	278.141	ug/l	99
52) Toluene	8.79	92	222956	51.124	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	131706	49.574	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	143641	48.847	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	93995	52.830	ug/l	97
56) Ethyl methacrylate	9.18	69	172476	54.307	ug/l	98
57) 1,3-Dichloropropane	9.37	76	164451	52.524	ug/l	100
59) 2-Hexanone	9.49	43	734280	276.863	ug/l	98
60) Dibromochloromethane	9.58	129	93903	54.038	ug/l	99
61) 1,2-Dibromoethane	9.67	107	94333	52.525	ug/l	100
64) Tetrachloroethene	9.34	164	85167	53.669	ug/l	99
65) Chlorobenzene	10.14	112	236205	51.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	87262	52.010	ug/l	99
67) Ethyl Benzene	10.25	91	431716	50.688	ug/l	100
68) m/p-Xylenes	10.36	106	316719	101.760	ug/l	98
69) o-Xylene	10.69	106	156363	50.918	ug/l	100
70) Stvrene	10.71	104	273684	51.277	ug/l	98
71) Bromoform	10.85	173	72259	52.997	ug/l #	99
73) Isopropylbenzene	11.02	105	416871	49.705	ug/l	99
74) N-amyl acetate	10.90	43	255073	52.166	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	158694	50.758	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	135908m	50.801	ug/l	
77) Bromobenzene	11.26	156	104976	50.429	ug/l	99
78) n-propylbenzene	11.36	91	479034	50.013	ug/l	100
79) 2-Chlorotoluene	11.42	91	286469	48.478	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	353587	50.070	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45296	43.321	ug/l	99
82) 4-Chlorotoluene	11.51	91	331921	49.720	ug/l	100
83) tert-Butylbenzene	11.77	119	344165	50.099	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	353731	49.904	ug/l	100
85) sec-Butylbenzene	11.94	105	401812	49.335	ug/l	100
86) p-Isopropyltoluene	12.06	119	364519	49.785	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	184165	49.628	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	187576	50.137	ug/l	100
89) n-Butylbenzene	12.38	91	324515	49.037	ug/l	100
90) Hexachloroethane	12.60	117	62653	50.227	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	187523	49.613	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36091	51.458	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	131827	51.002	ug/l	99

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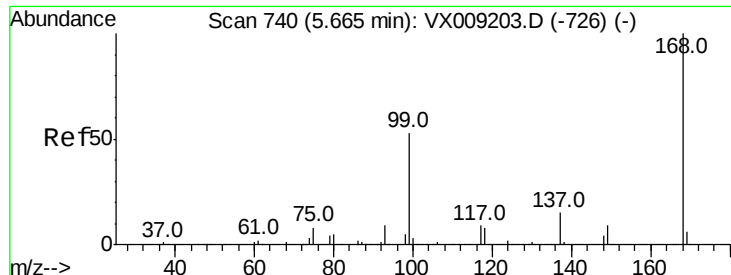
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	63965	48.461	ug/l	99
95) Naphthalene	13.83	128	430440	51.187	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132561	50.595	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion:168 Resp: 152170

Ion Ratio Lower Upper

168 100

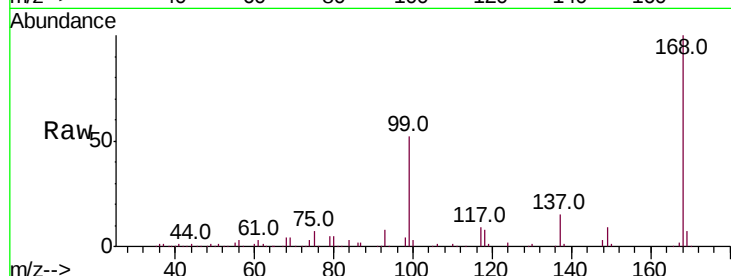
99 52.1 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

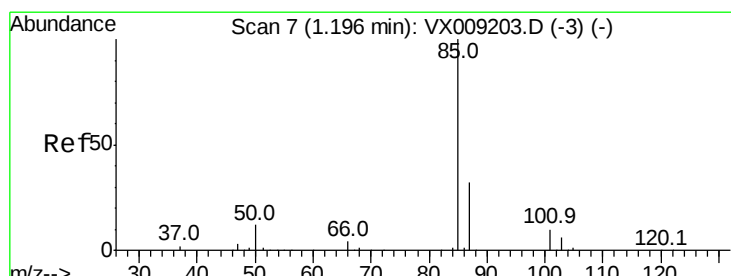
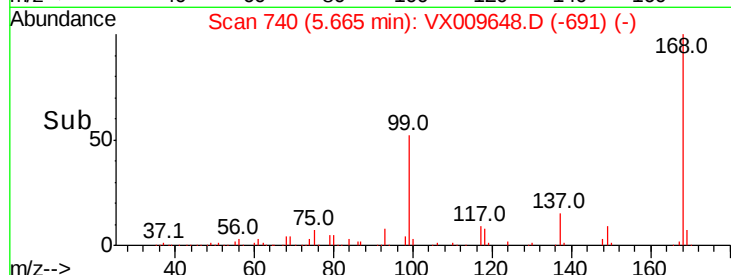
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.960 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009648.D

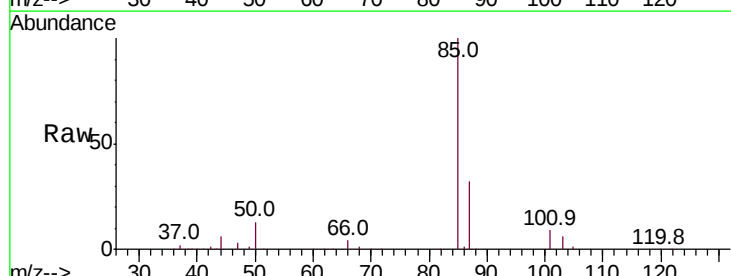
Acq: 17 May 2019 07:57

Tgt Ion: 85 Resp: 60241

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

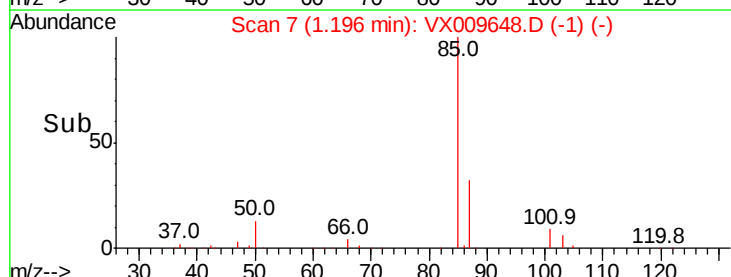
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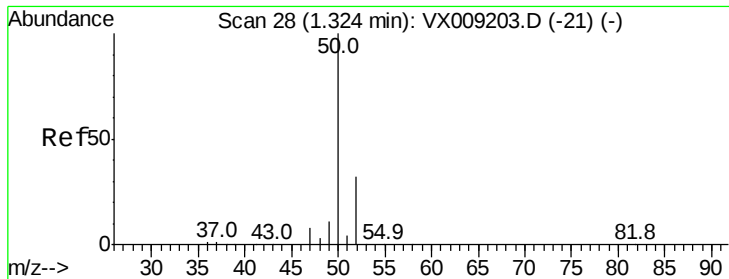
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10000

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Time-->





#3

Chloromethane

Concen: 48.749 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 50 Resp: 93329

Ion Ratio Lower Upper

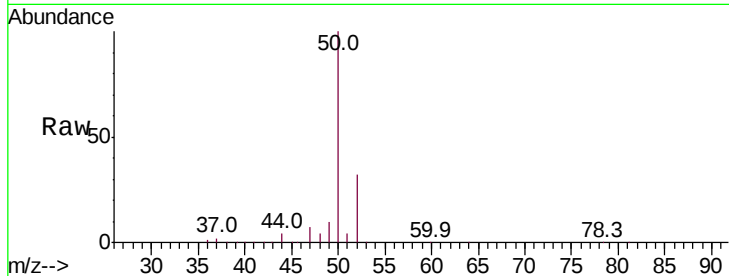
50 100

52 31.9 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

100000

80000

60000

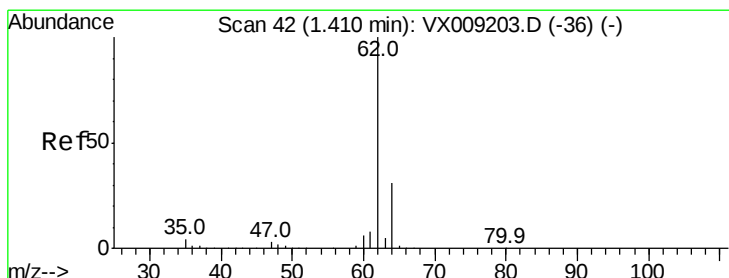
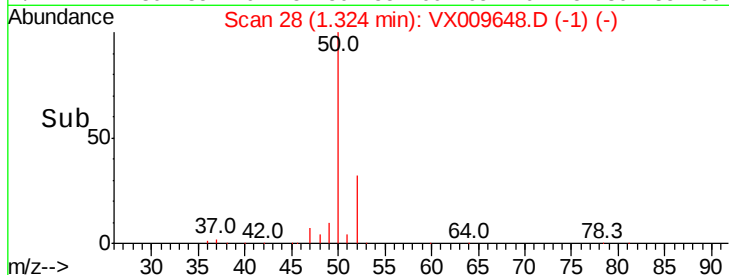
40000

20000

0

1.25 1.30 1.32 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 49.497 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009648.D

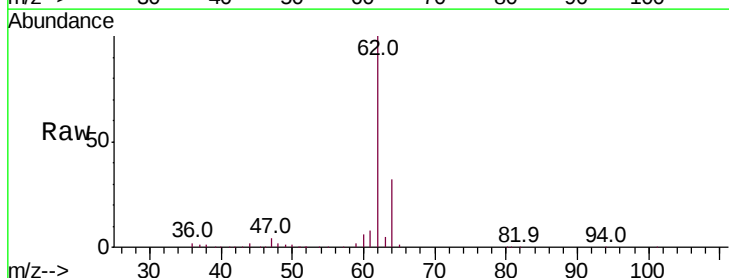
Acq: 17 May 2019 07:57

Tgt Ion: 62 Resp: 92403

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

80000

60000

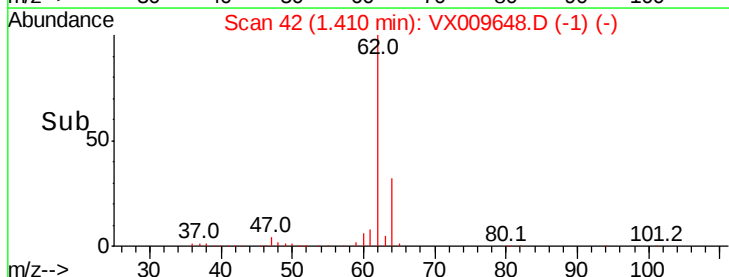
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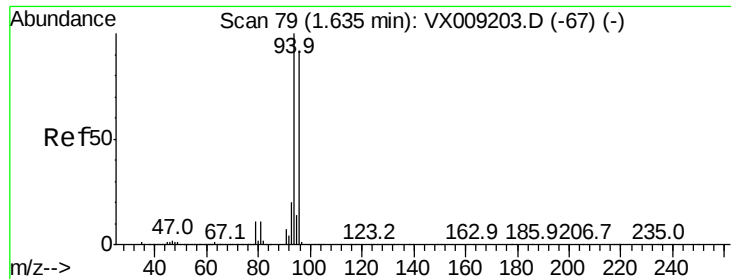
20000

0

1.40 1.41 1.42 1.43 1.44 1.45

Time-->





#5

Bromomethane

Concen: 53.524 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 94 Resp: 59974

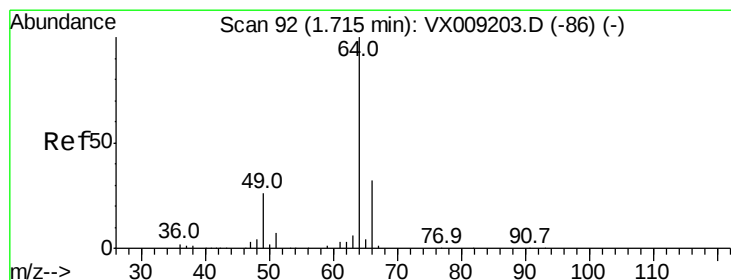
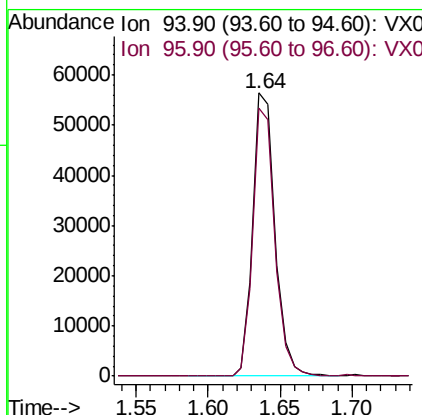
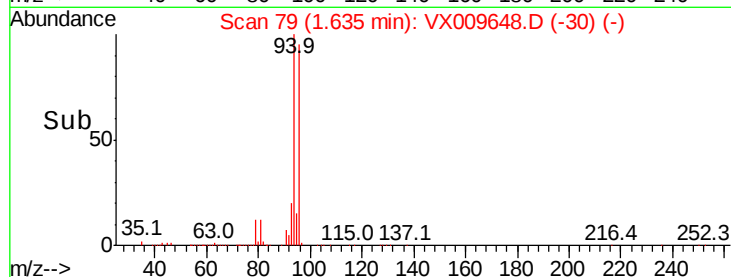
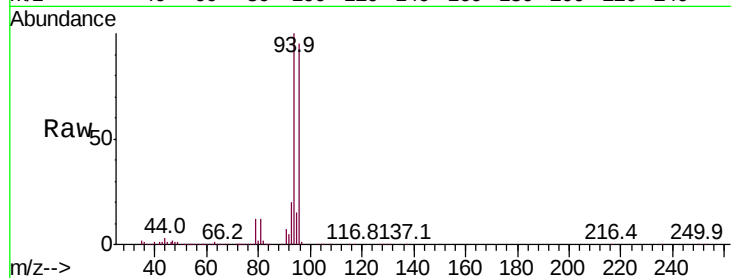
Ion Ratio Lower Upper

94 100

96 94.7 73.0 109.6

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#6

Chloroethane

Concen: 49.696 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009648.D

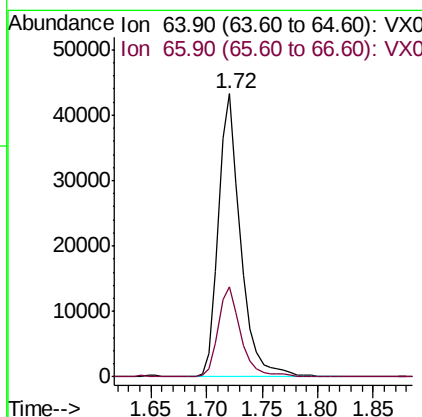
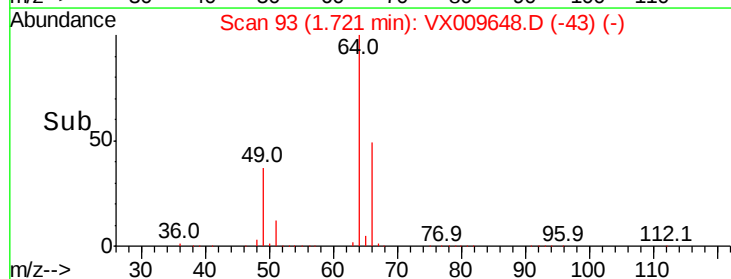
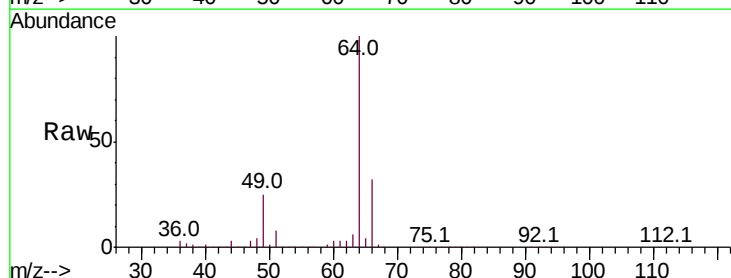
Acq: 17 May 2019 07:57

Tgt Ion: 64 Resp: 59565

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9





#7

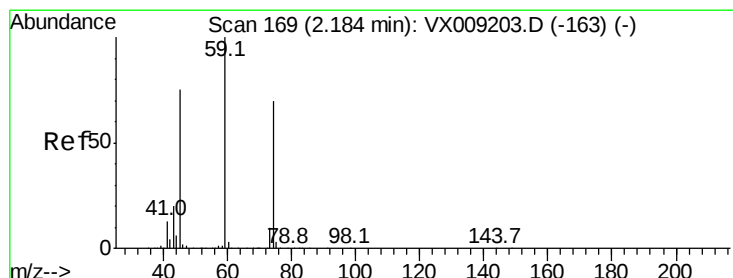
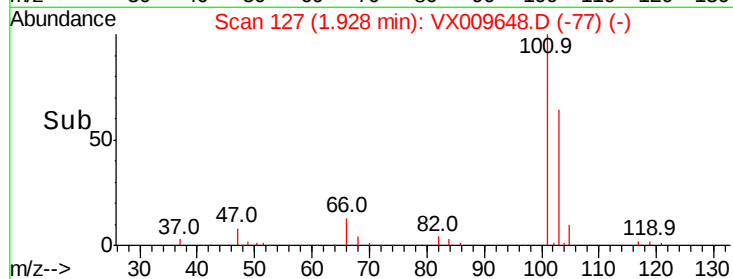
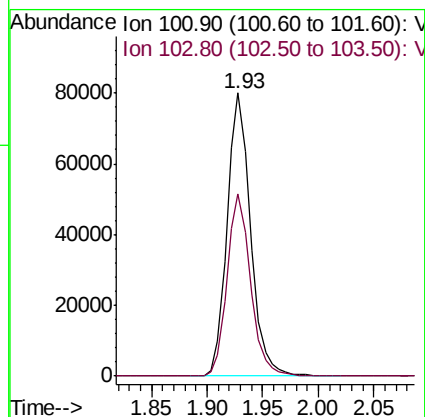
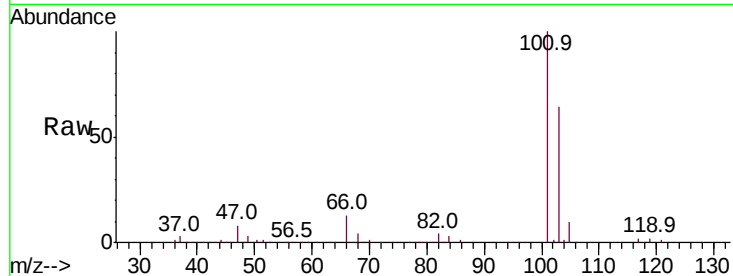
Trichlorofluoromethane
Concen: 51.381 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion:101 Resp: 116596
Ion Ratio Lower Upper
101 100
103 64.2 52.4 78.6

Manual Integrations
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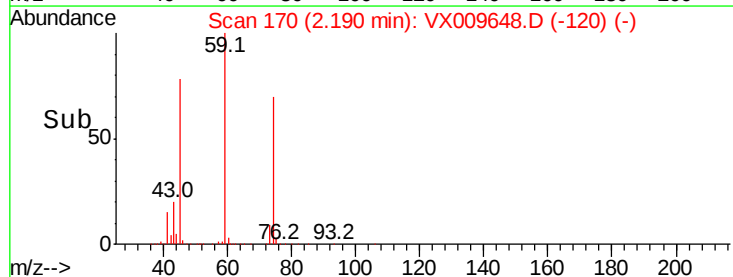
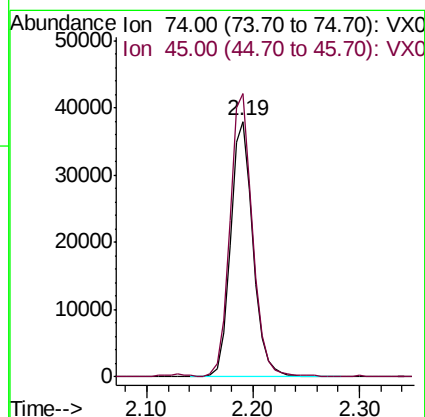
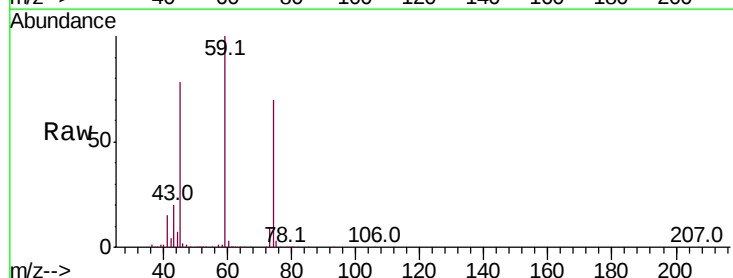
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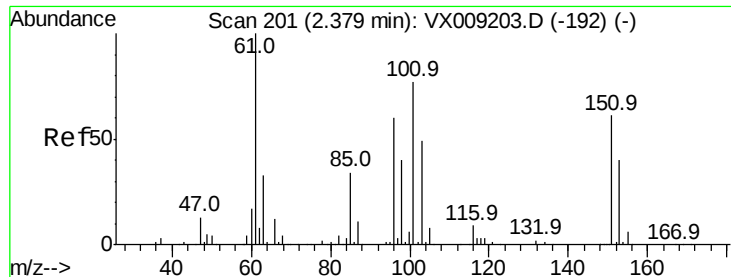


#8

Diethyl Ether
Concen: 52.186 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion: 74 Resp: 56095
Ion Ratio Lower Upper
74 100
45 110.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.077 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion:101 Resp: 69936

Ion Ratio Lower Upper

101 100

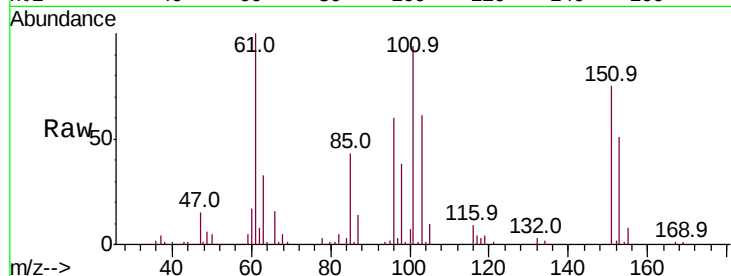
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151 78.8 62.2 93.2

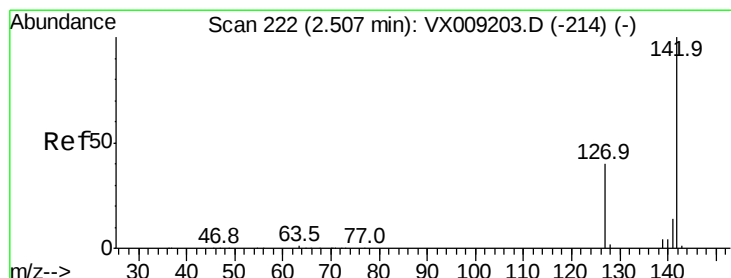
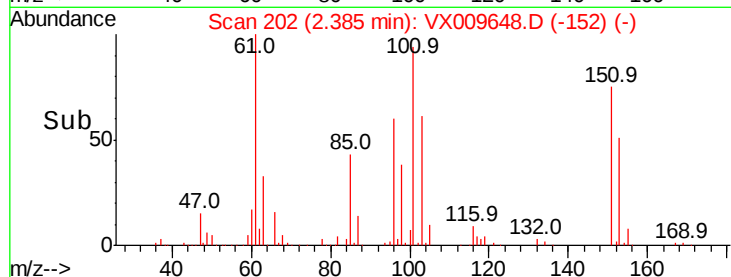
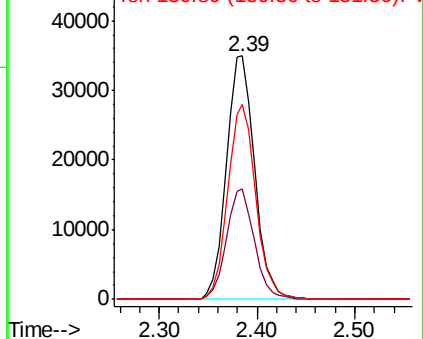
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.610 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

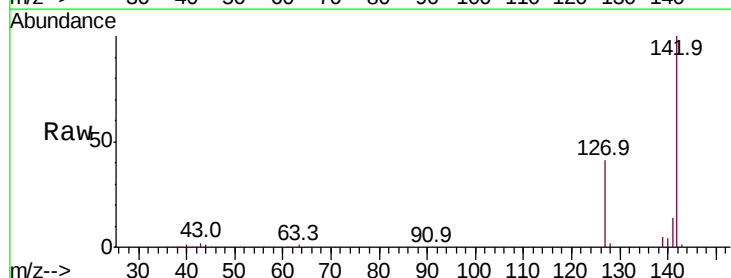
Tgt Ion:142 Resp: 89368

Ion Ratio Lower Upper

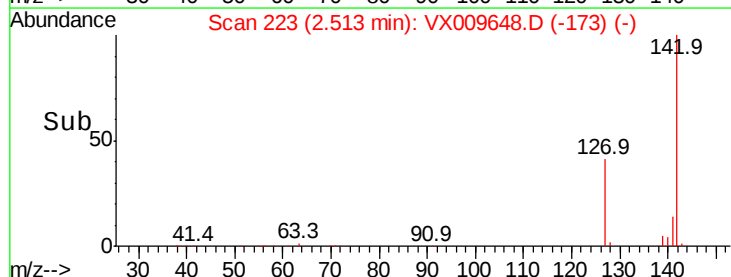
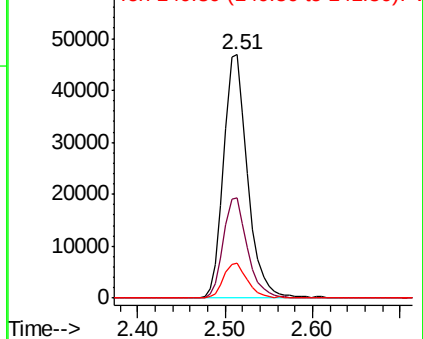
142 100

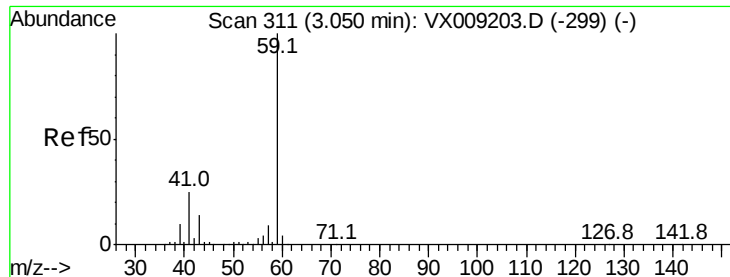
127 41.5 32.7 49.1

141 14.6 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





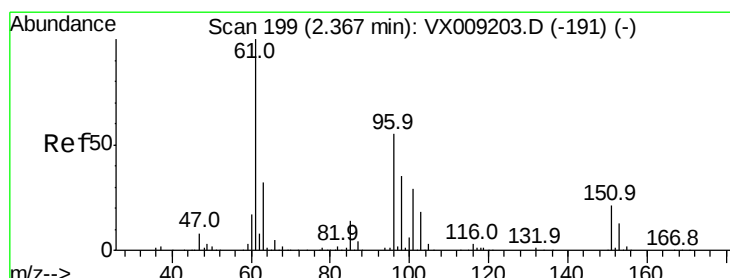
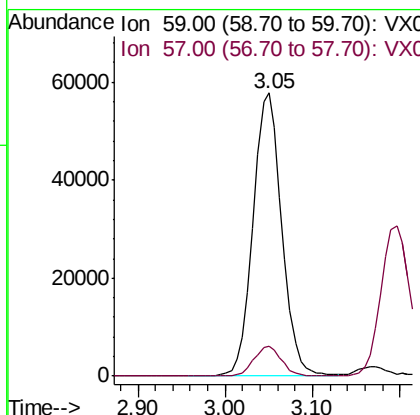
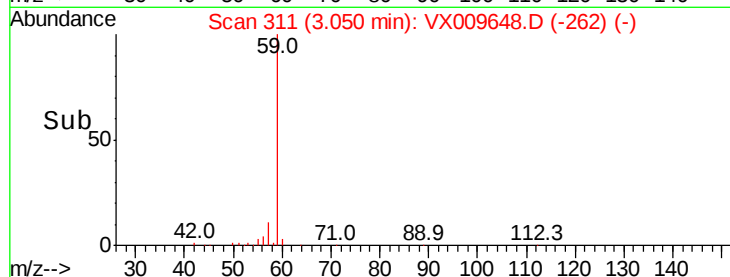
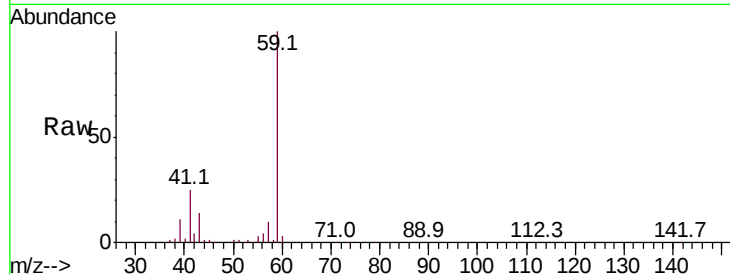
#11
Tert butyl alcohol
Concen: 273.463 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion: 59 Resp: 131493
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

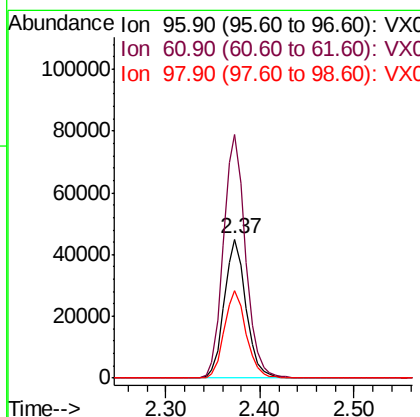
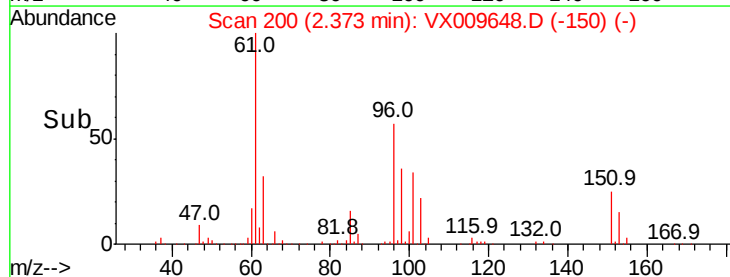
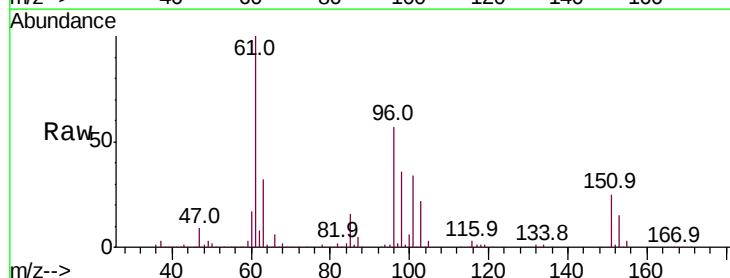
Manual Integrations
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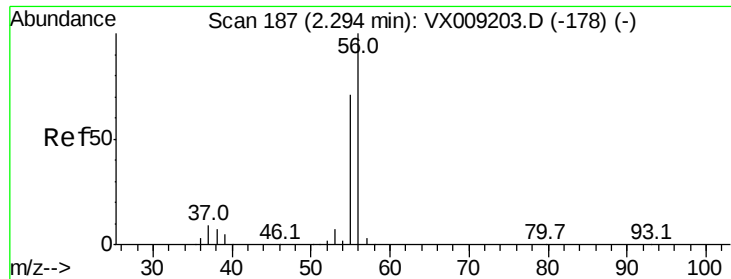
MMDadoda
5/17/2019 1:21:26 PM



#12
1,1-Dichloroethene
Concen: 50.557 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion: 96 Resp: 72185
Ion Ratio Lower Upper
96 100
61 175.0 144.3 216.5
98 63.2 50.3 75.5





#13

Acrolein

Concen: 215.639 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 56 Resp: 93904

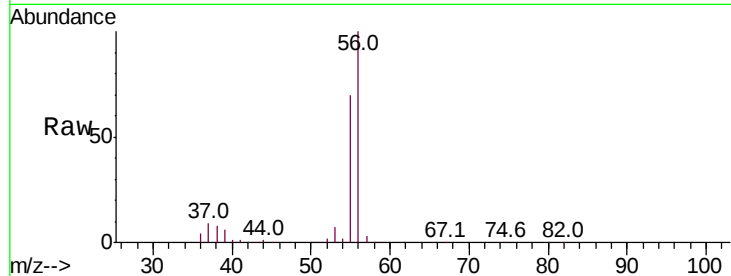
Ion Ratio Lower Upper

56 100

55 71.9 56.6 85.0

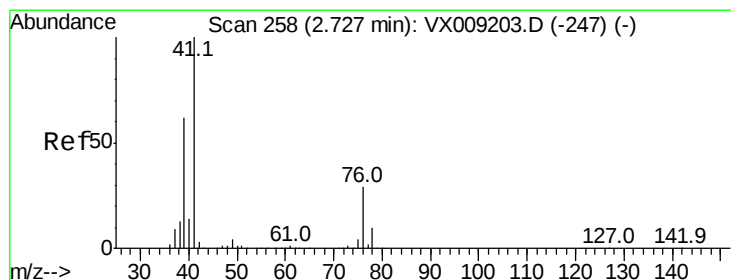
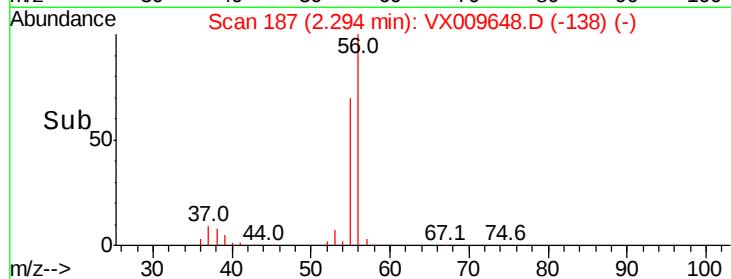
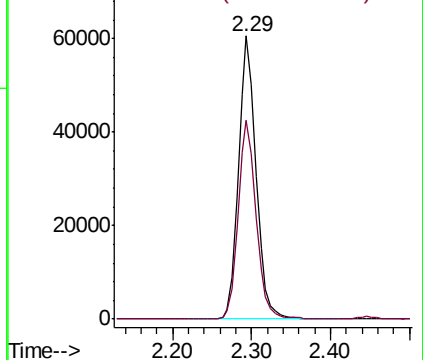
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.569 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

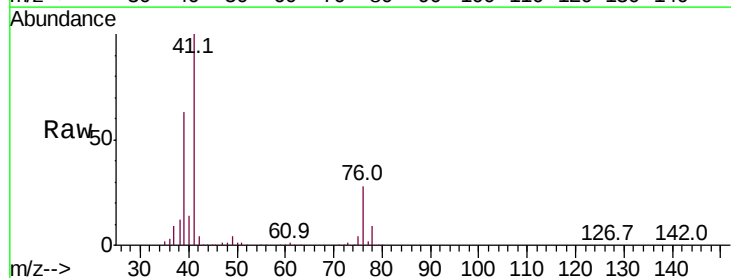
Tgt Ion: 41 Resp: 168997

Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

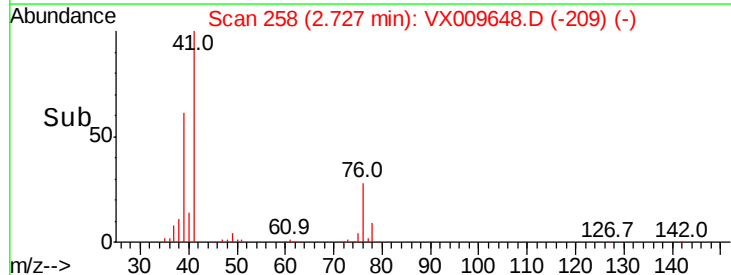
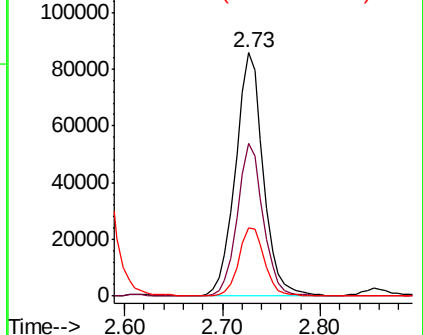
76 26.2 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 270.803 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

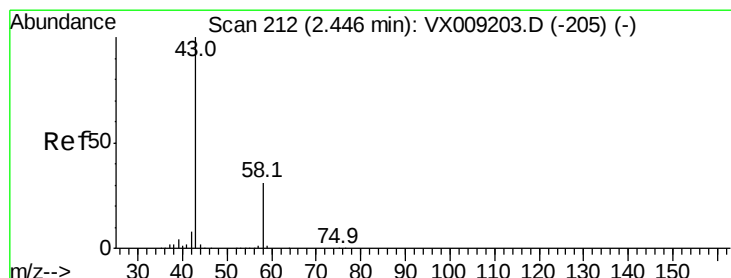
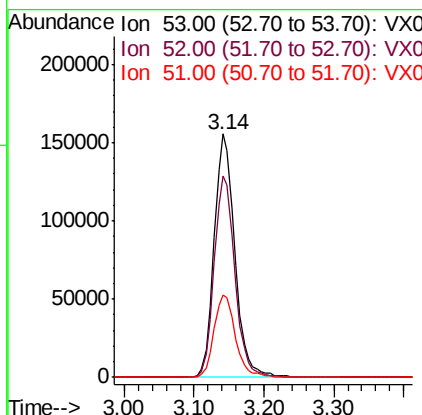
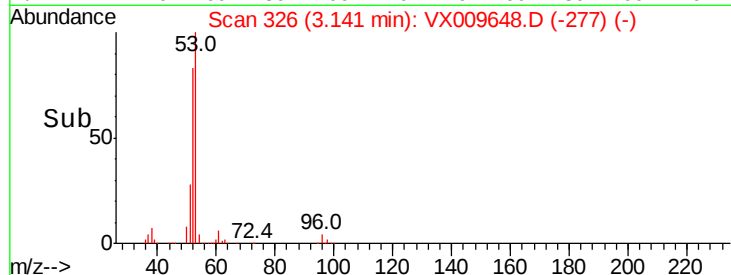
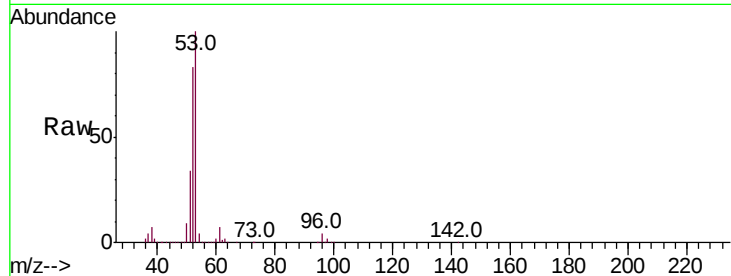
ClientSampleId :

SS052MW749-190514MSD

Tot Ion:	53	Resp:	318383
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.9	100.3
51	35.4	28.2	42.2

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#16

Acetone

Concen: 248.409 ug/l

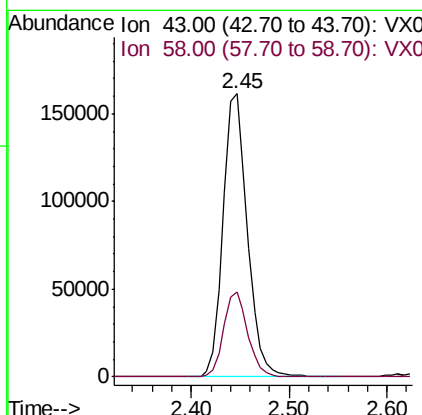
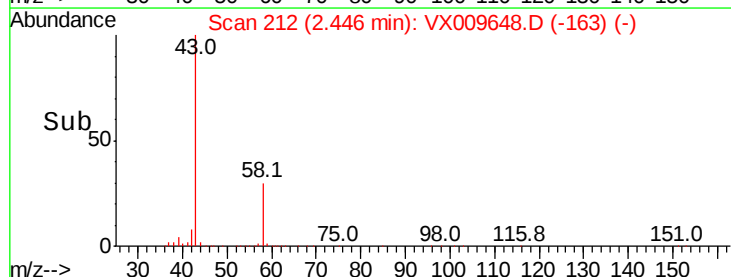
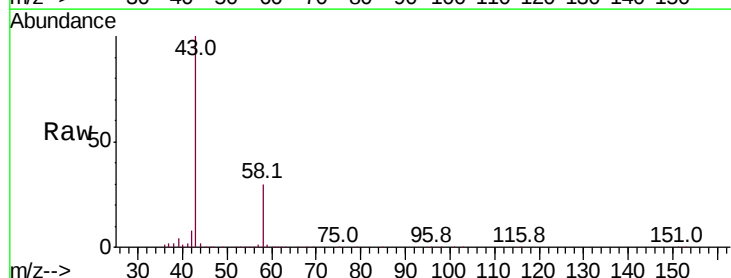
RT: 2.45 min Scan# 212

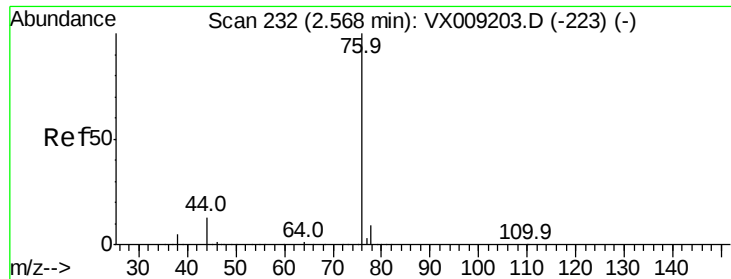
Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Tgt Ion:	43	Resp:	277083
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.9	37.3





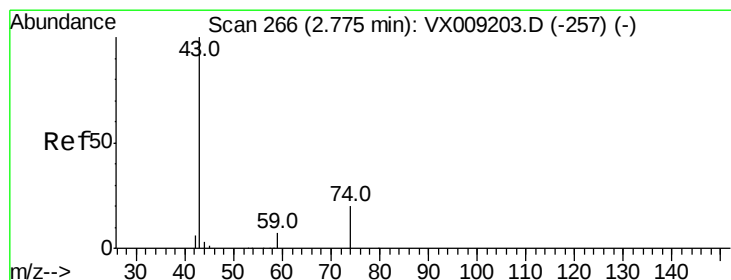
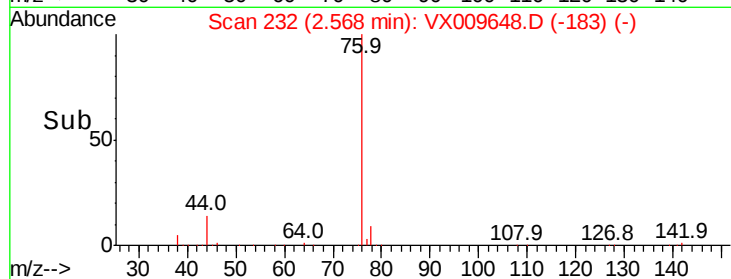
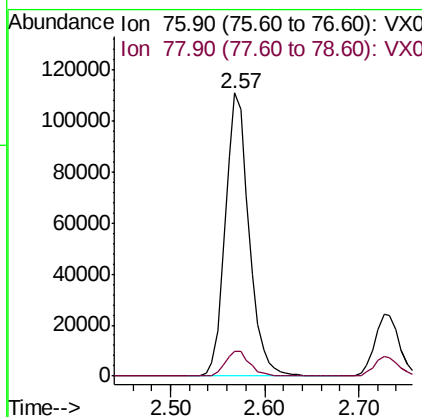
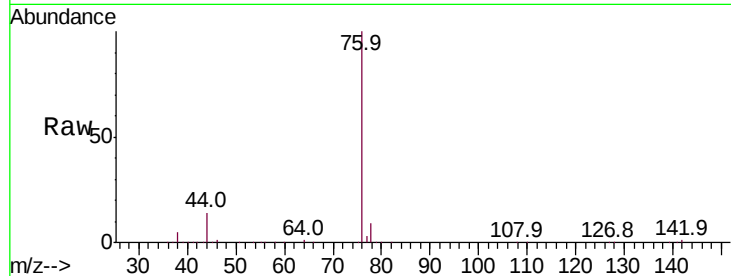
#17
Carbon Disulfide
Concen: 48.228 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

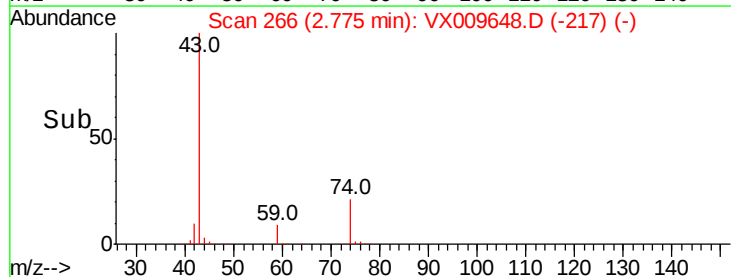
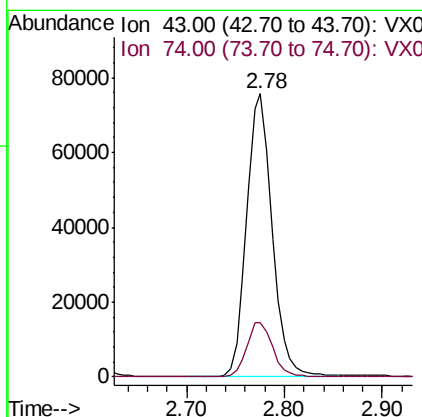
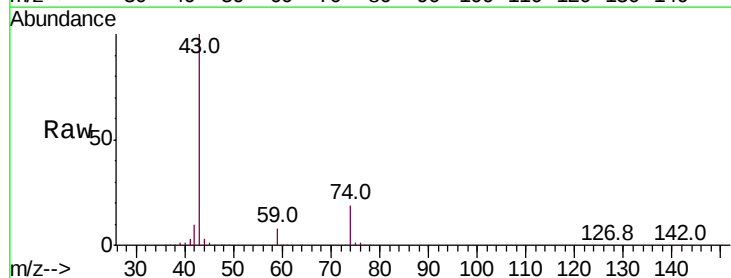
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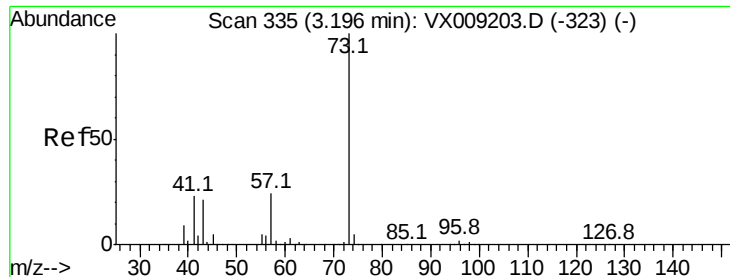
MMDadoda
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#18
Methyl Acetate
Concen: 51.619 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.2	24.4





#19

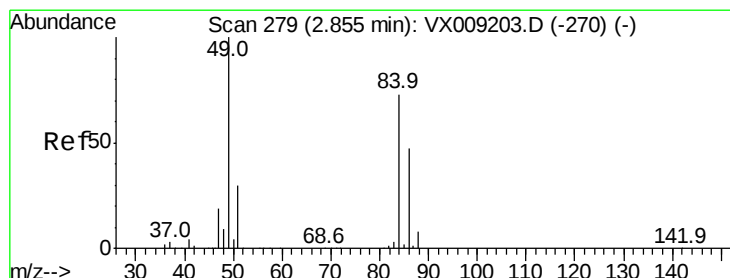
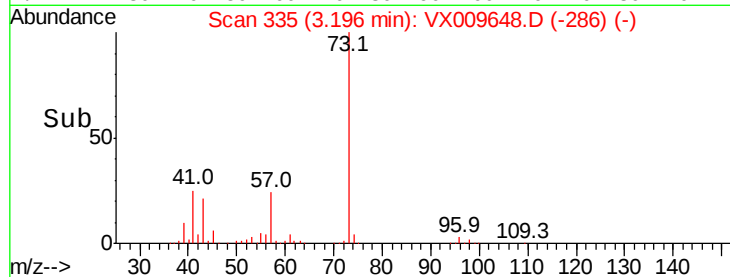
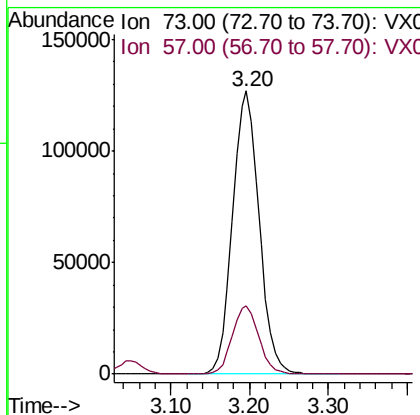
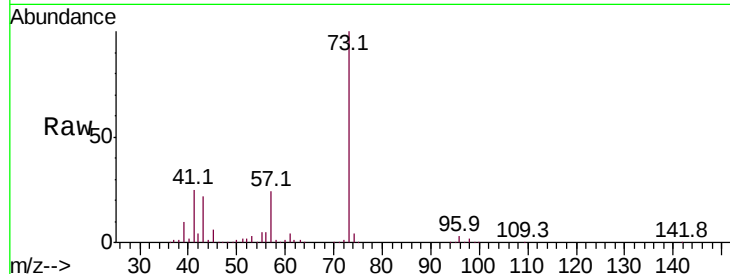
Methyl tert-butyl Ether
 Concen: 53.599 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.3	28.9

Manual Integrations
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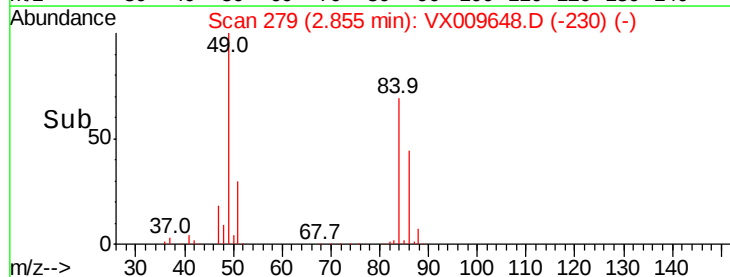
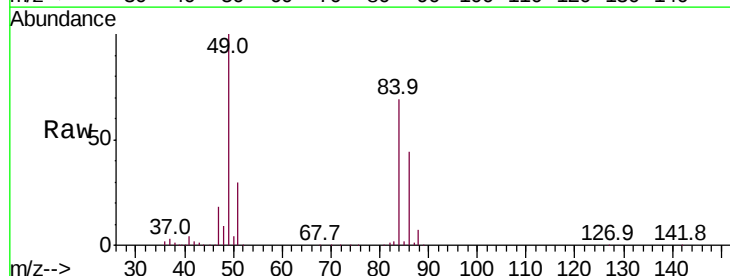
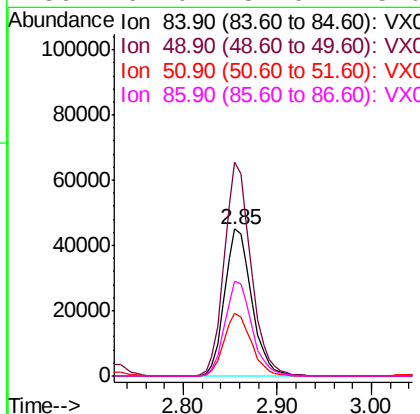
MMDadoda
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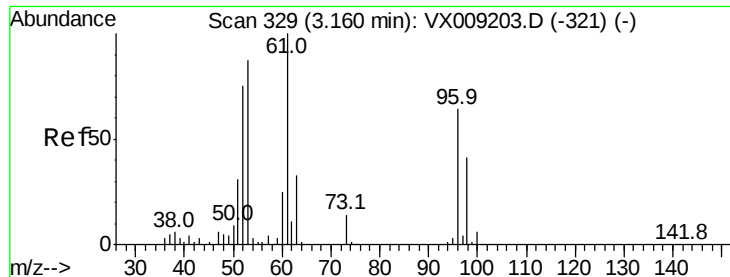


#20

Methylene Chloride
 Concen: 49.985 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.2	109.9	164.9
51	42.8	32.7	49.1
86	64.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 50.338 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 96 Resp: 77946

Ion Ratio Lower Upper

96 100

61 157.2 124.5 186.7

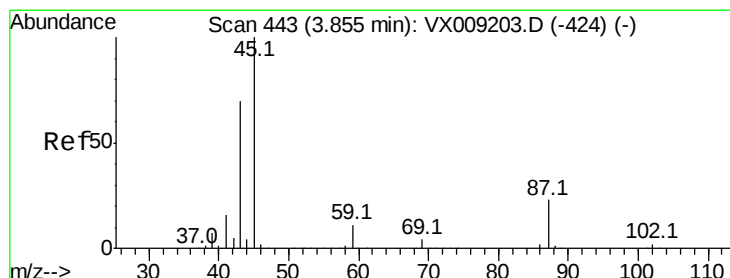
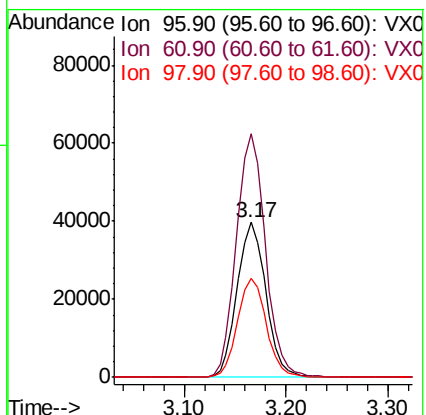
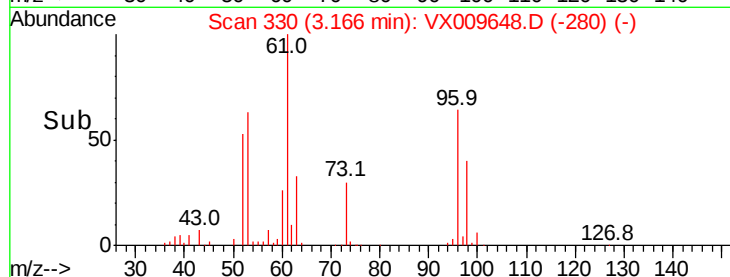
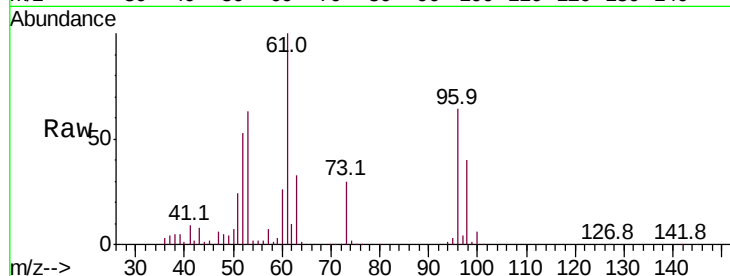
98 63.5 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.491 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Tgt Ion: 45 Resp: 357938

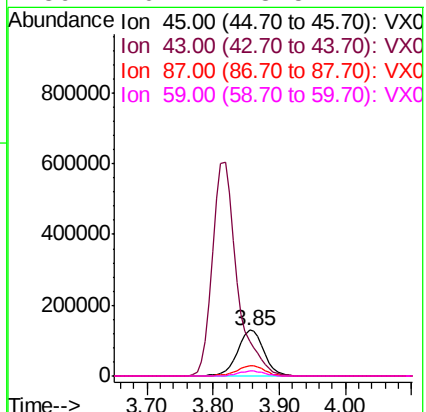
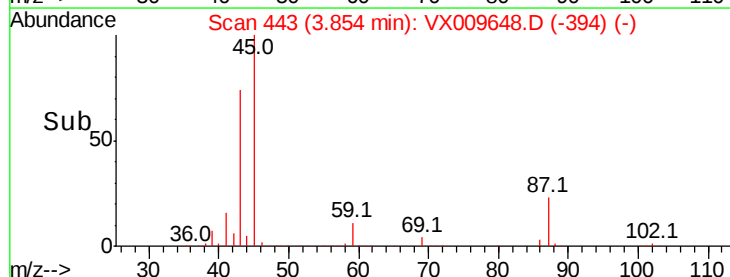
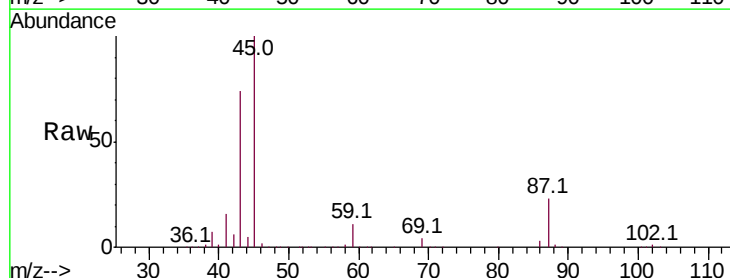
Ion Ratio Lower Upper

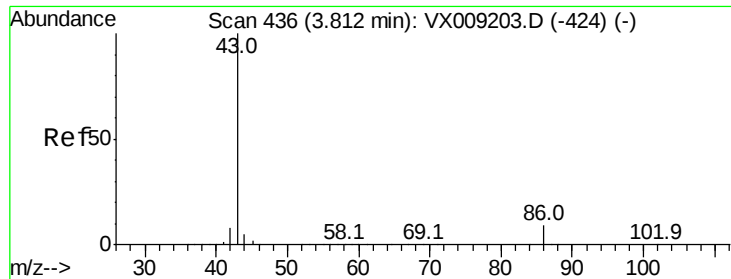
45 100

43 74.1 56.1 84.1

87 22.7 18.1 27.1

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 272.746 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 43 Resp: 1562851

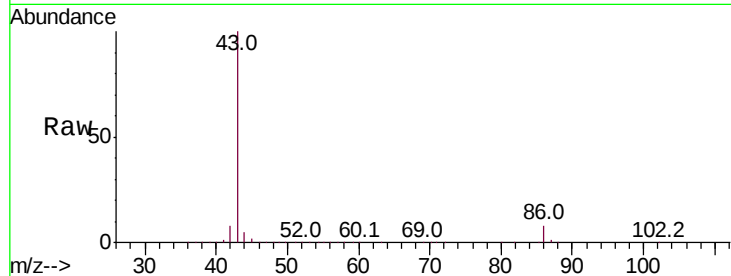
Ion Ratio Lower Upper

43 100

86 8.5 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX009203.D (-424) (-)

Ion 86.00 (85.70 to 86.70): VX009203.D (-424) (-)

3.82

600000

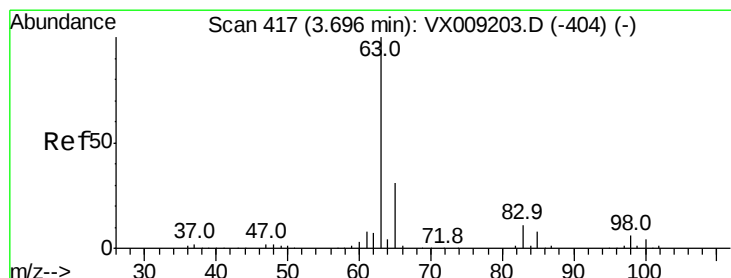
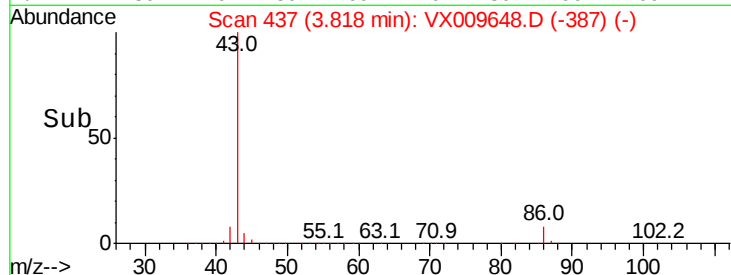
400000

200000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 52.401 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

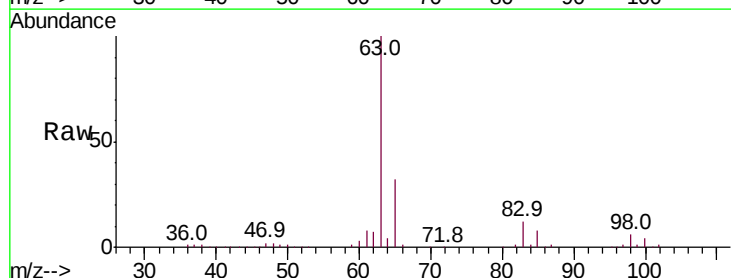
Tgt Ion: 63 Resp: 172976

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX009203.D (-404) (-)

Ion 97.90 (97.60 to 98.60): VX009203.D (-404) (-)

Ion 99.90 (99.60 to 100.60): VX009203.D (-404) (-)

3.70

80000

60000

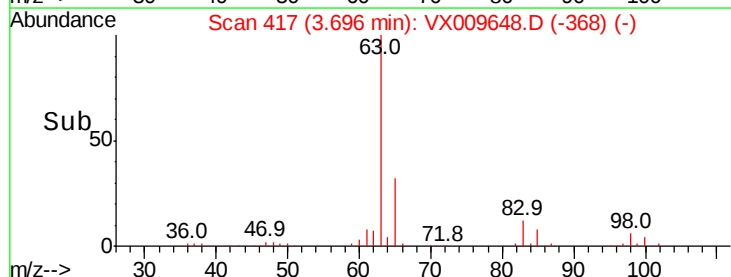
40000

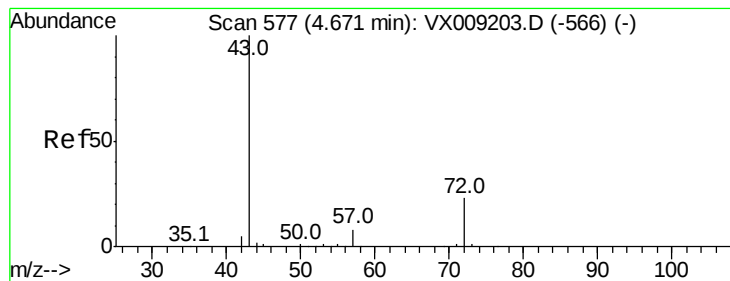
20000

0

3.60 3.70 3.80 3.90

Time-->





#25

2-Butanone

Concen: 269.339 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 43 Resp: 466857

Ion Ratio Lower Upper

43 100

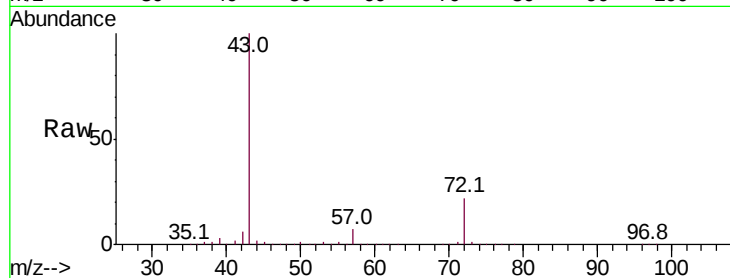
72 21.9 18.2 27.2

Manual Integrations

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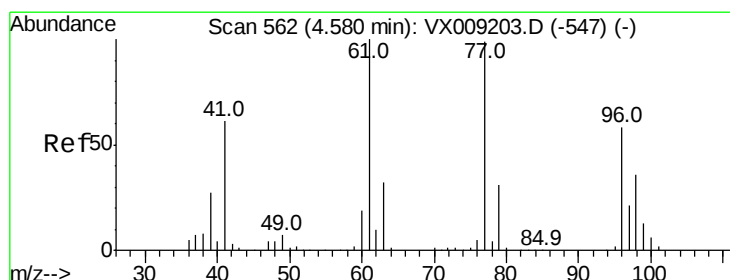
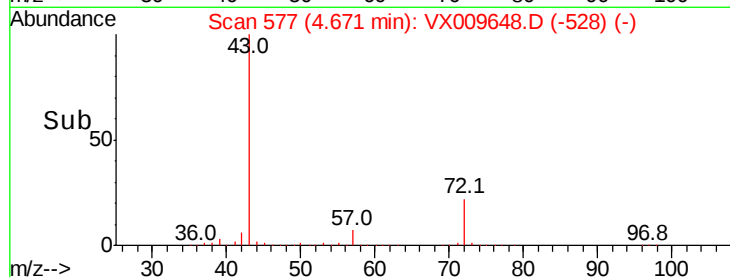
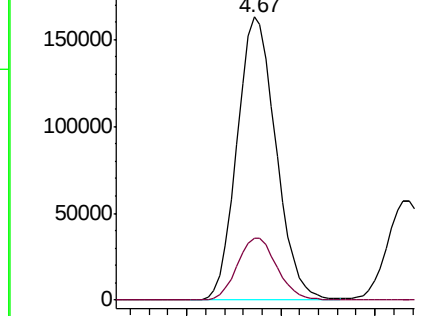
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 27.763 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009648.D

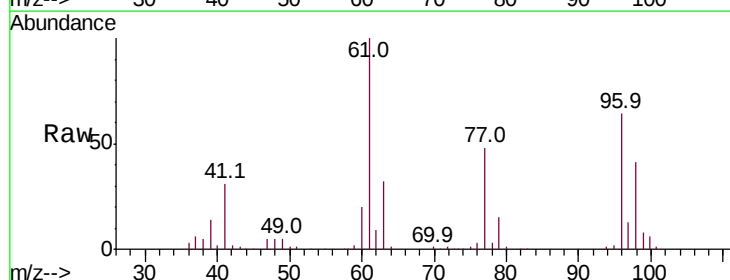
Acq: 17 May 2019 07:57

Tgt Ion: 77 Resp: 68217

Ion Ratio Lower Upper

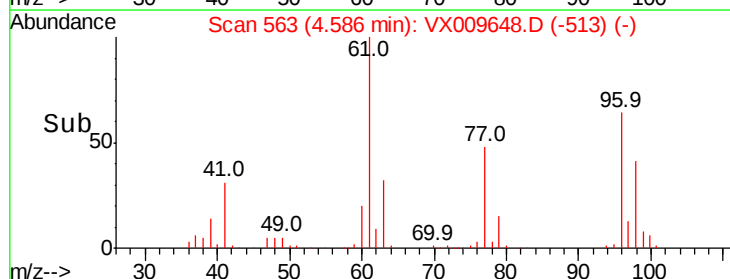
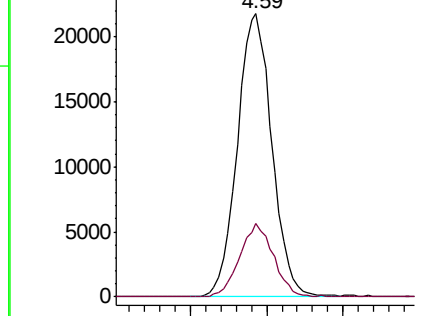
77 100

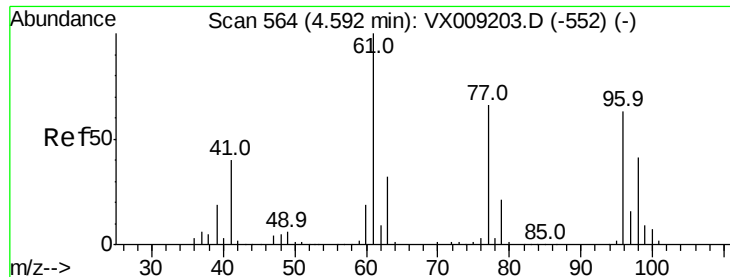
97 25.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

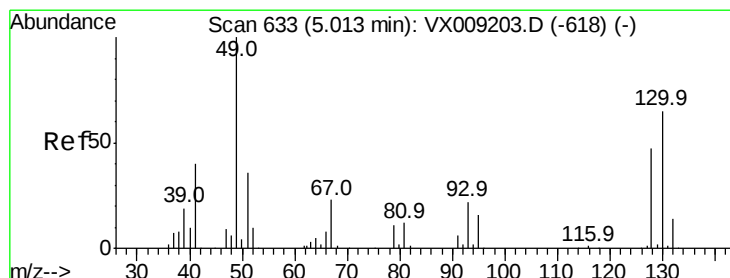
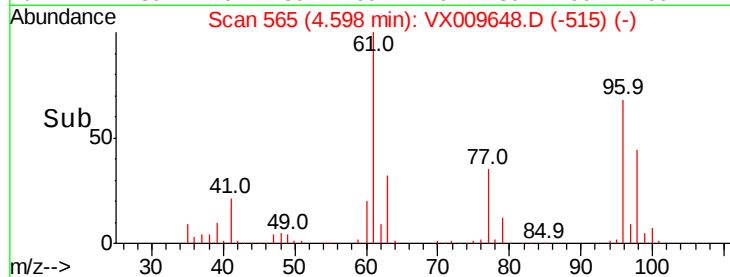
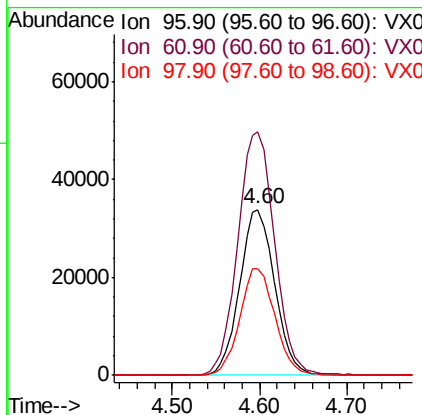
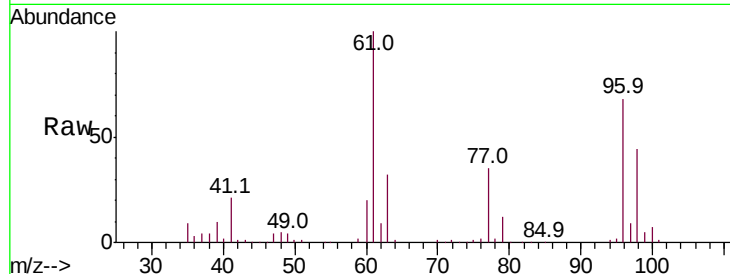
cis-1,2-Dichloroethene
Concen: 51.282 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	324.0
98	64.8	0.0	130.4

Manual Integrations
APPROVED

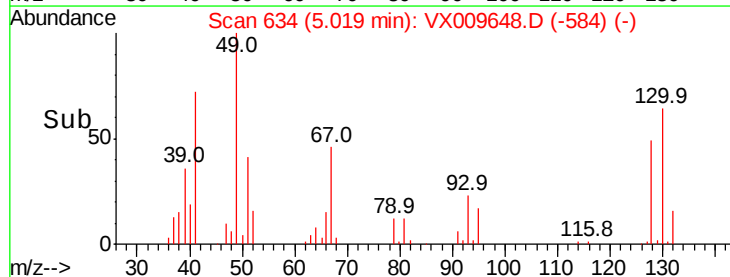
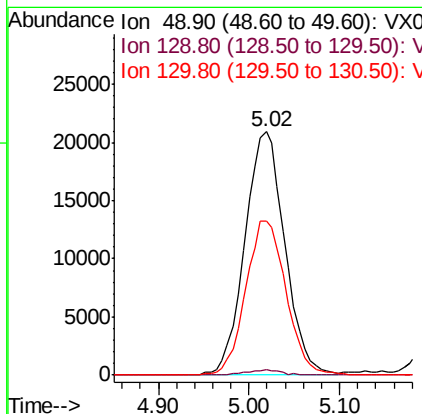
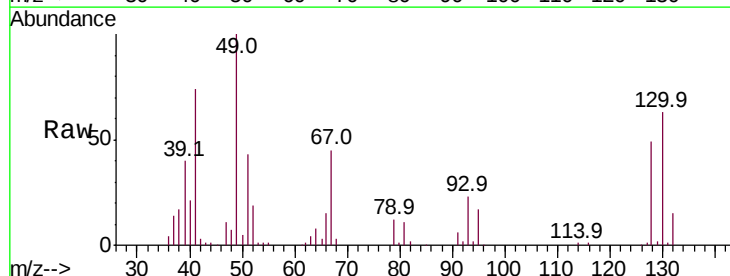
MMDadoda
5/17/2019 1:21:26 PM

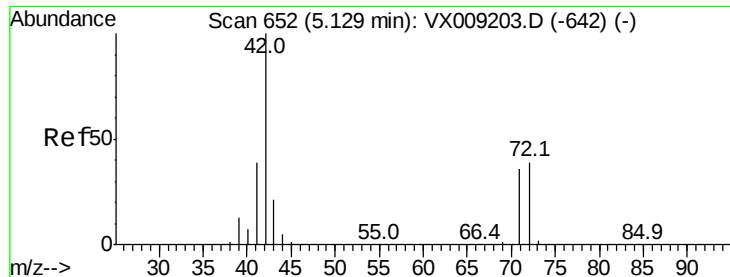


#28

Bromochloromethane
Concen: 47.862 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	63.8	51.2	76.8





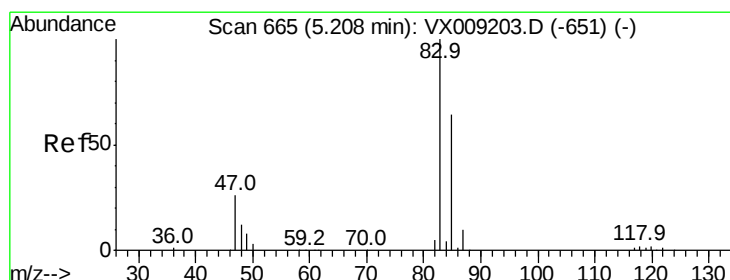
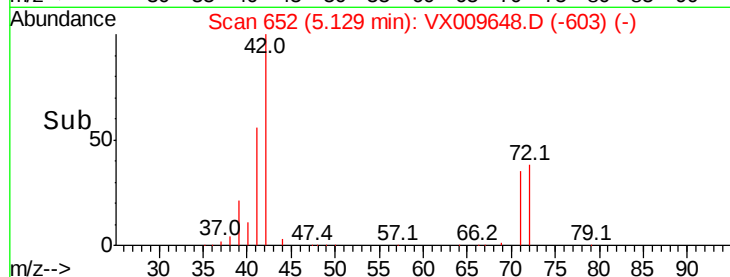
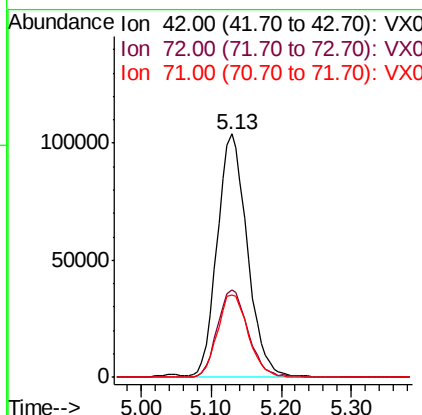
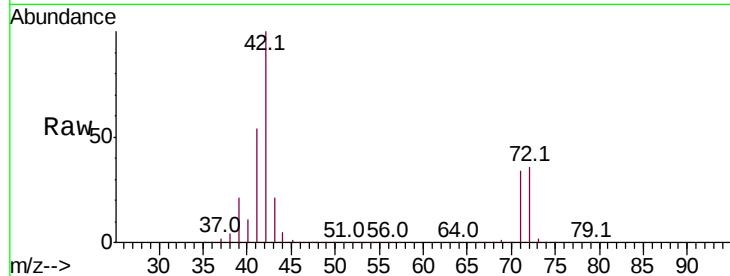
#29
Tetrahydrofuran
Concen: 278.073 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	30.4	45.6
71	35.0	28.6	43.0

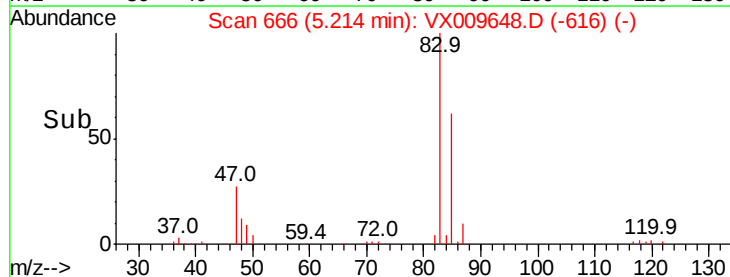
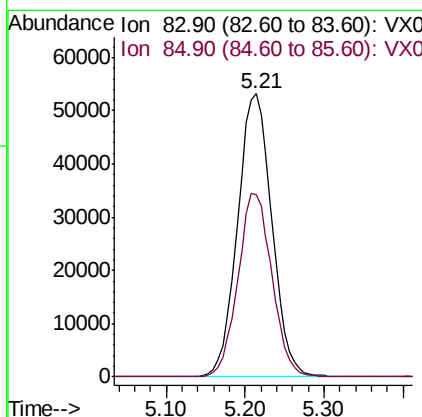
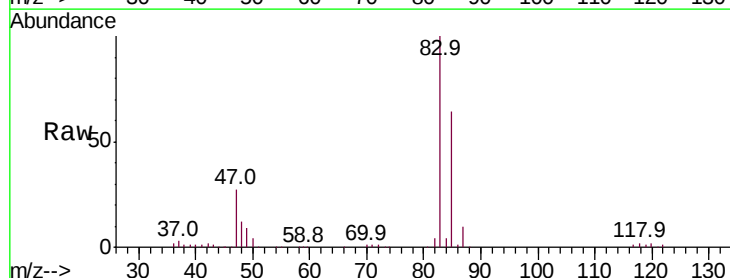
Manual Integrations
APPROVED

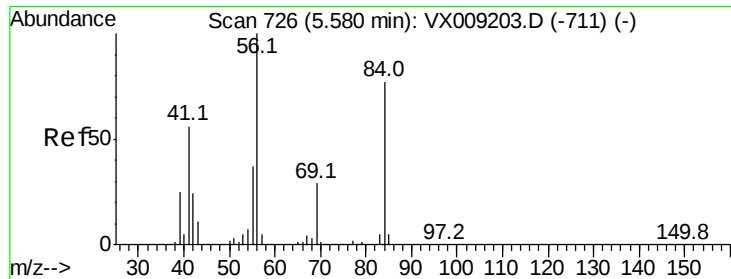
MMDadoda
5/17/2019 1:21:26 PM



#30
Chloroform
Concen: 53.891 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





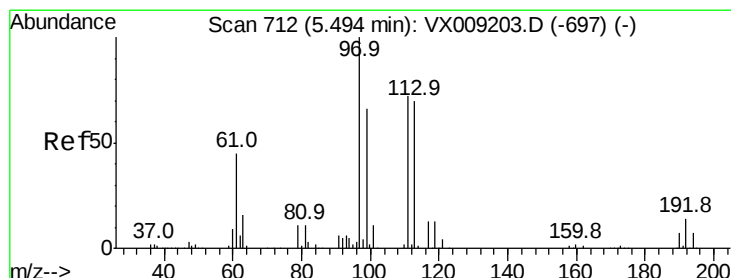
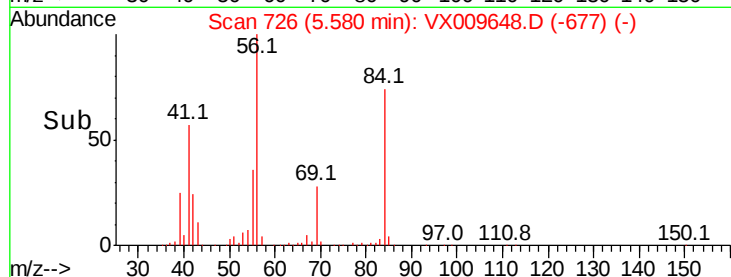
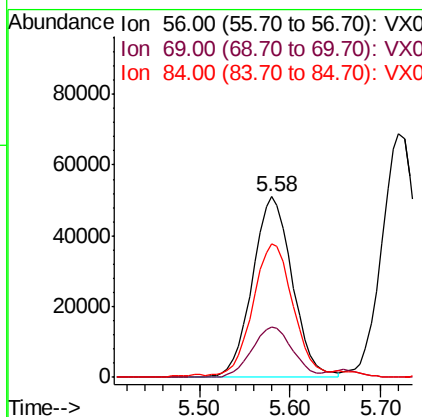
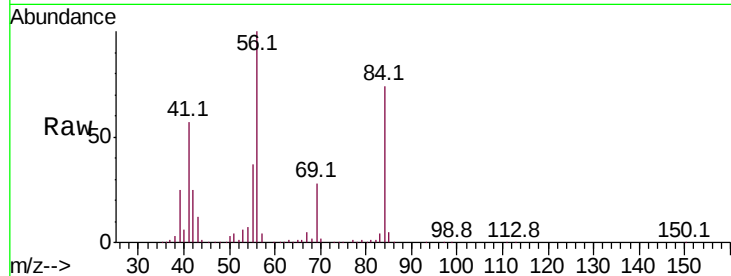
#31
Cyclohexane
Concen: 50.516 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.4	35.0
84	73.0	61.9	92.9

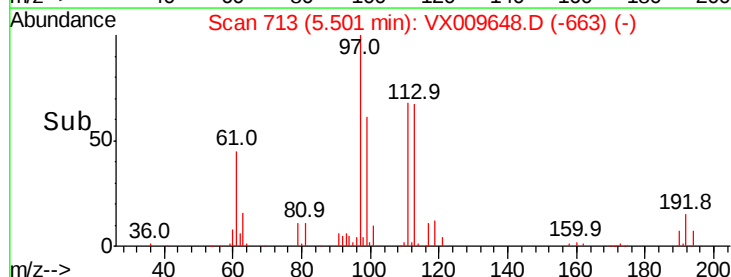
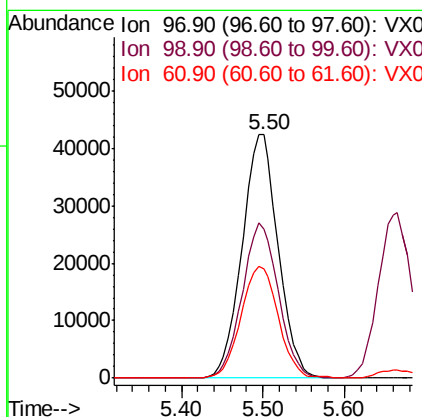
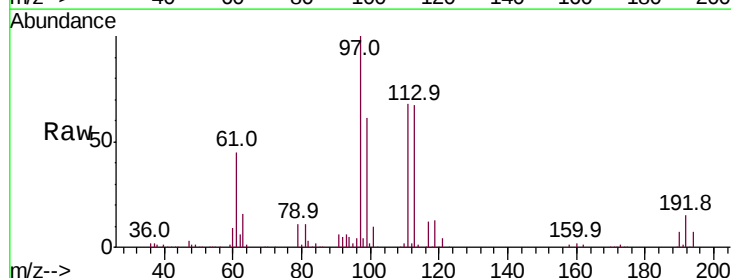
Manual Integrations
APPROVED

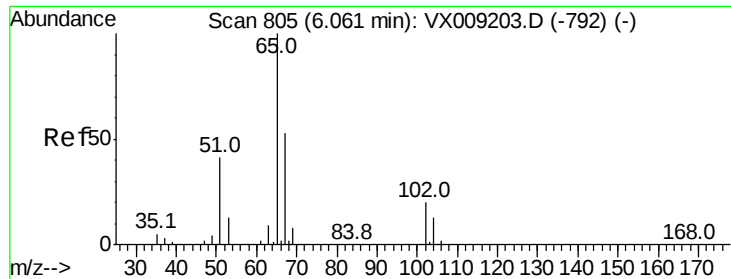
MMDadoda
5/17/2019 1:21:26 PM



#32
1,1,1-Trichloroethane
Concen: 52.414 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	47.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 52.443 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 65 Resp: 108939

Ion Ratio Lower Upper

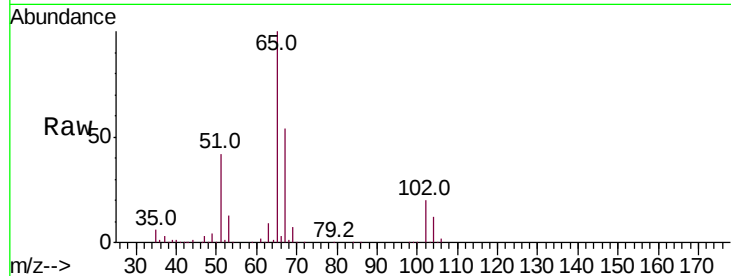
65 100

67 53.8 0.0 106.6

Manual Integrations
APPROVED

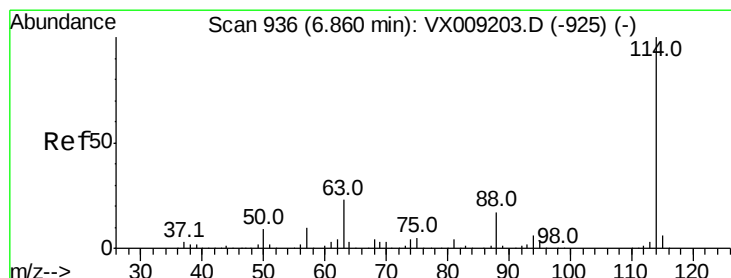
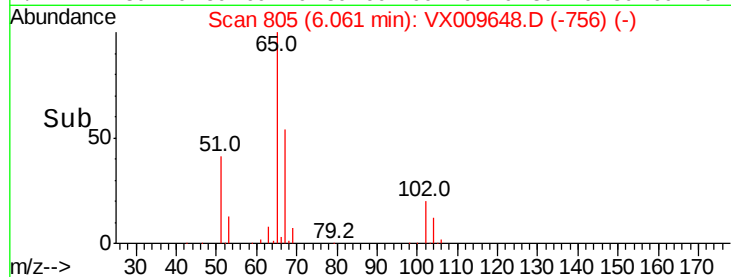
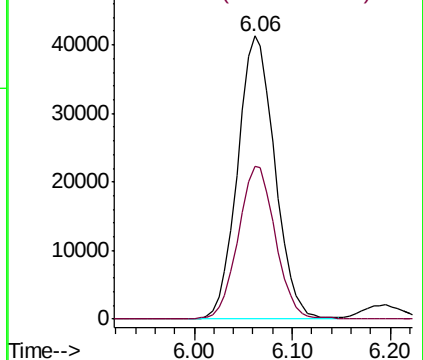
MMDadoda

5/17/2019 1:21:26 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

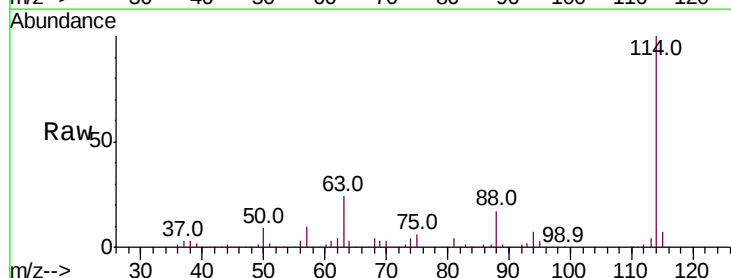
Tgt Ion:114 Resp: 249449

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.6

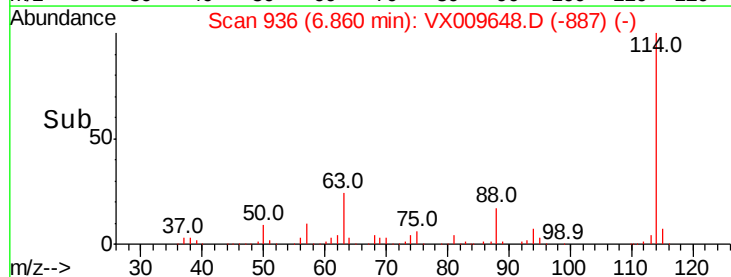
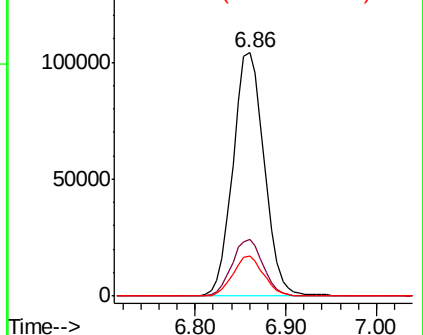
88 16.7 0.0 33.2

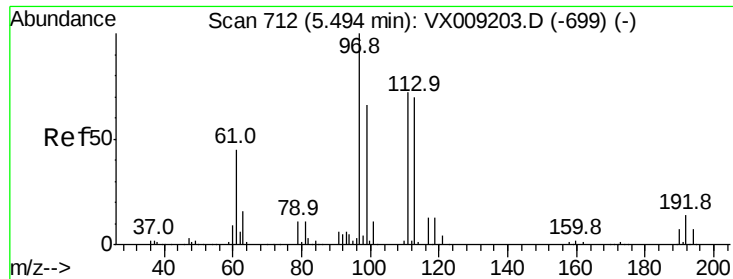


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.797 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

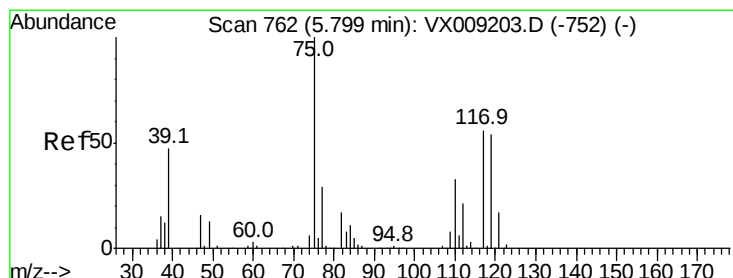
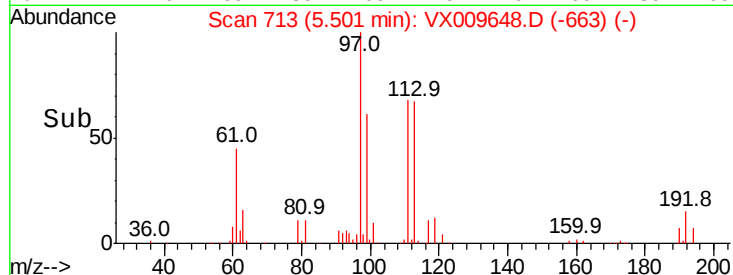
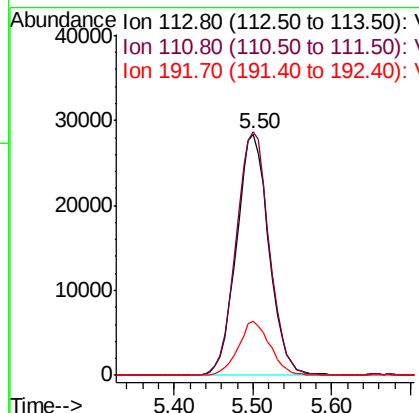
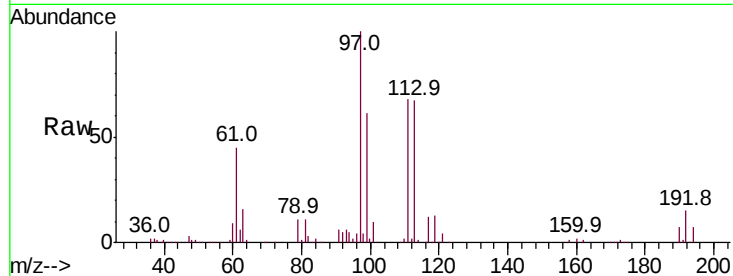
ClientSampleId :

SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	21.9	17.0	25.6

Manual Integrations
APPROVED

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5/17/2019 1:21:26 PM



#36

1,1-Dichloropropene

Concen: 50.394 ug/l

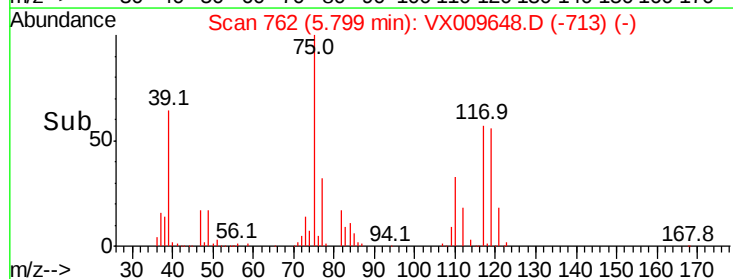
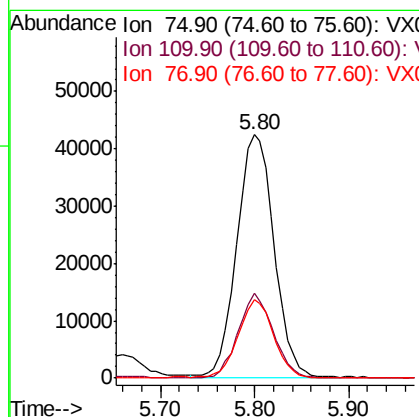
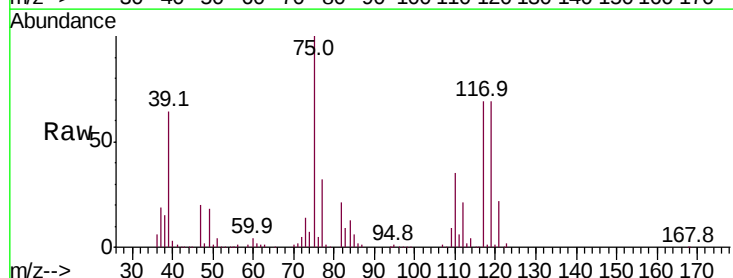
RT: 5.80 min Scan# 762

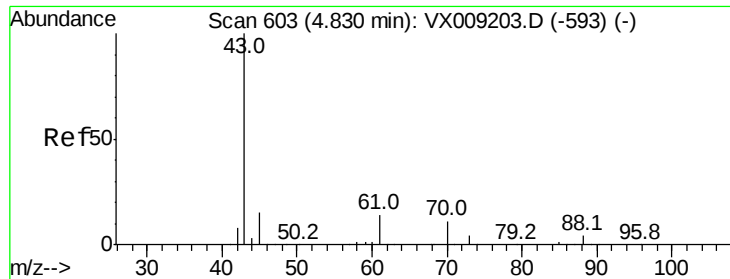
Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	30.8	24.8	37.2





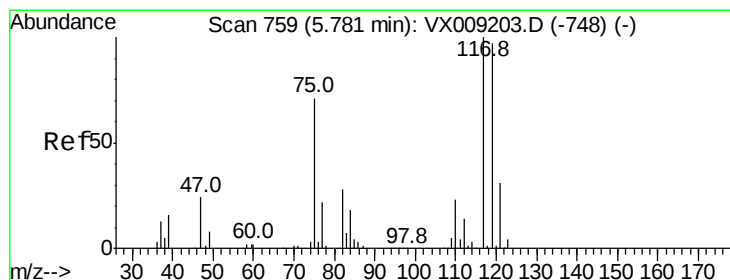
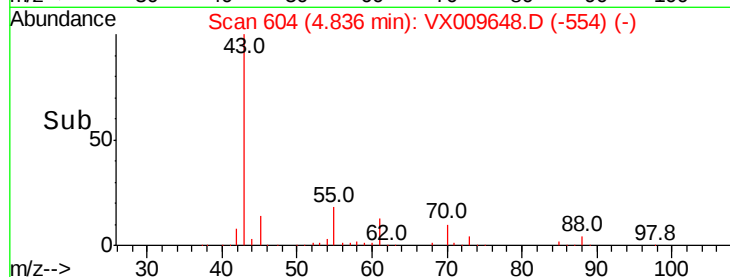
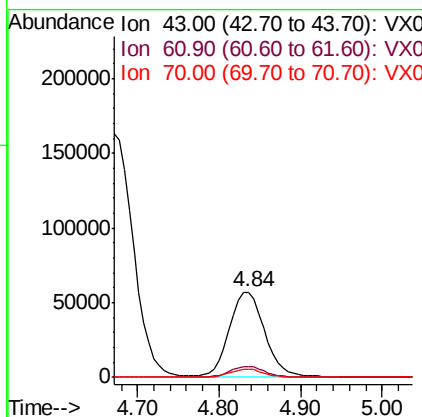
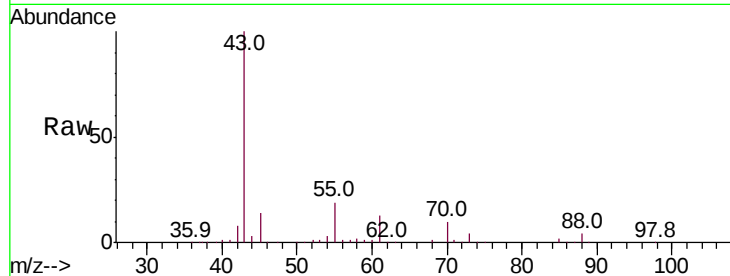
#37
Ethyl Acetate
Concen: 52.773 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.5	15.7
70	9.4	7.9	11.9

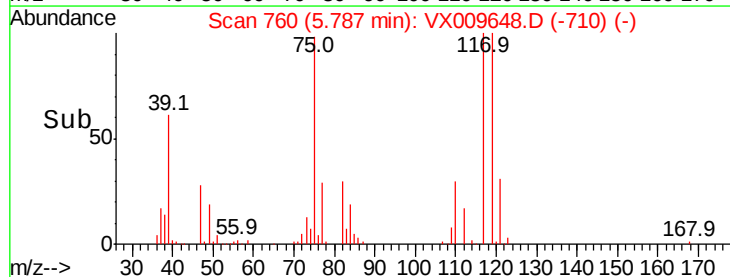
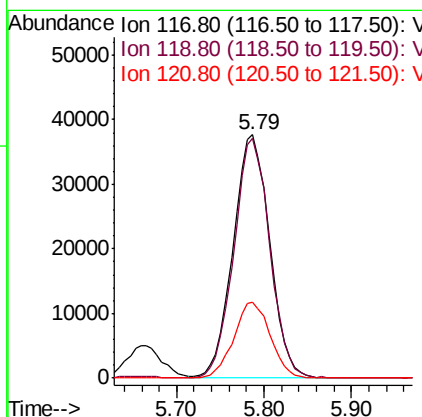
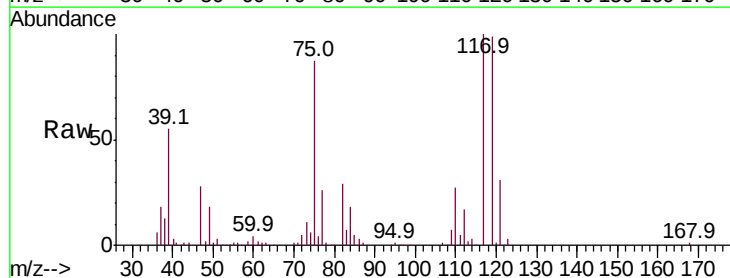
Manual Integrations
APPROVED

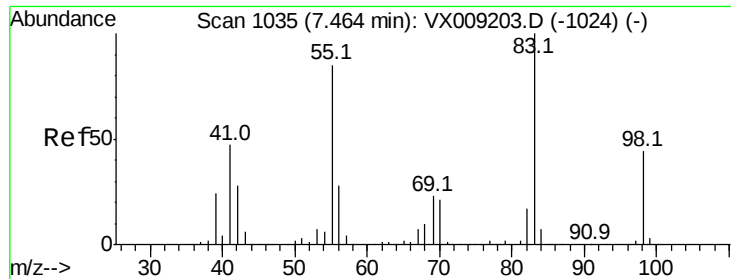
MMDadoda
5/17/2019 1:21:26 PM



#38
Carbon Tetrachloride
Concen: 52.102 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.5	116.3
121	31.0	24.7	37.1





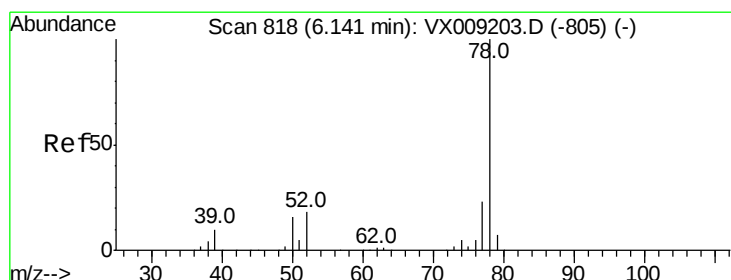
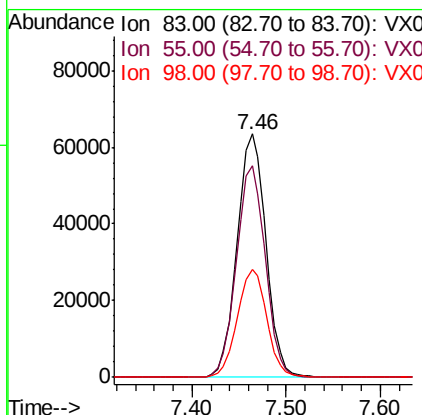
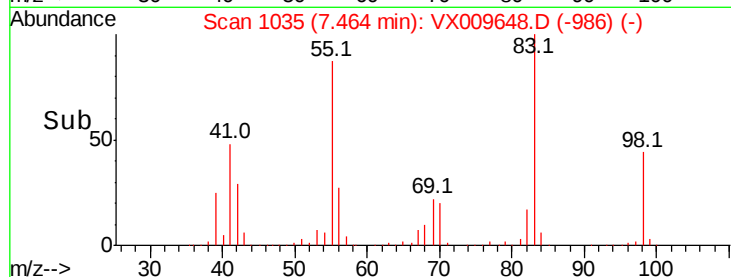
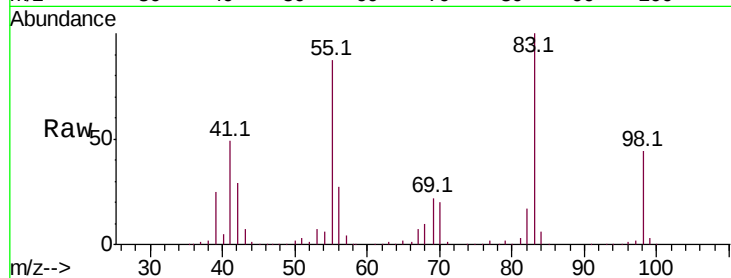
#39
Methvlcvclohexane
Concen: 47.775 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	67.7	101.5
98	44.2	35.5	53.3

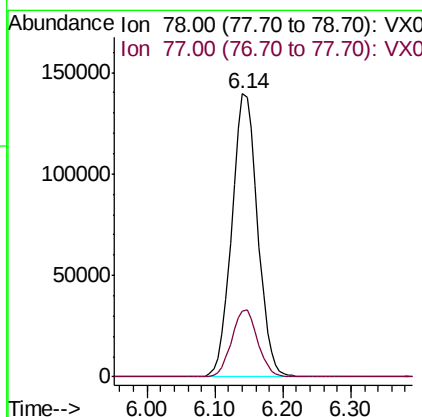
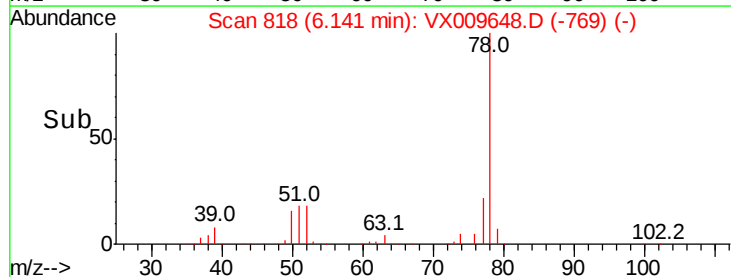
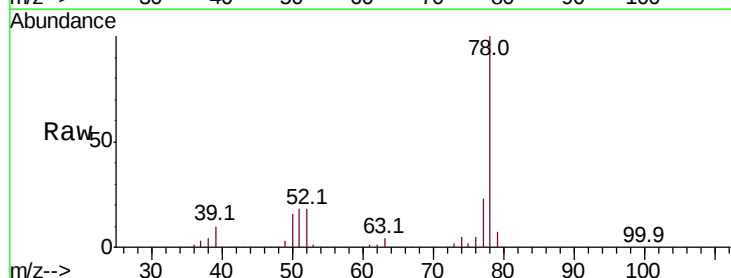
Manual Integrations
APPROVED

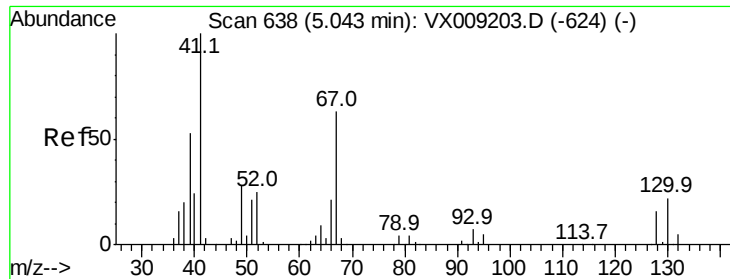
MMDadoda
5/17/2019 1:21:26 PM



#40
Benzene
Concen: 51.291 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





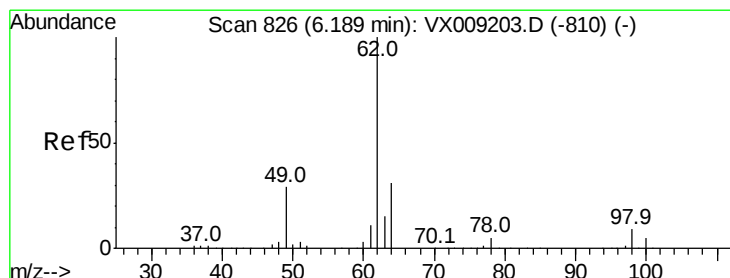
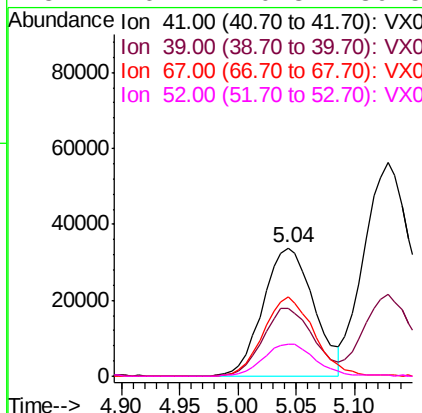
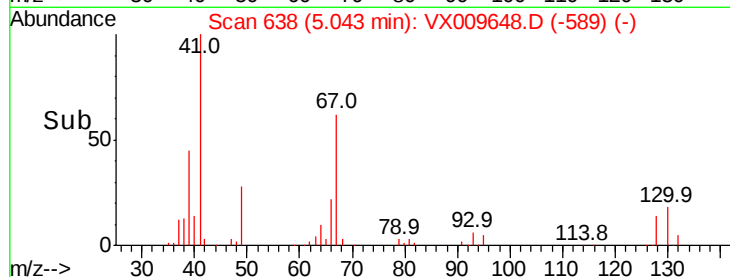
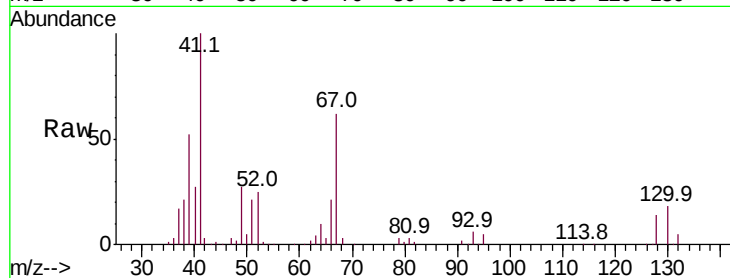
#41
Methacrylonitrile
Concen: 53.208 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	41	Ratio	100	Resp	102301
Ion	41	100		Lower	Upper
	39	52.8		42.0	63.0
	67	61.7		49.8	74.8
	52	26.2		20.3	30.5

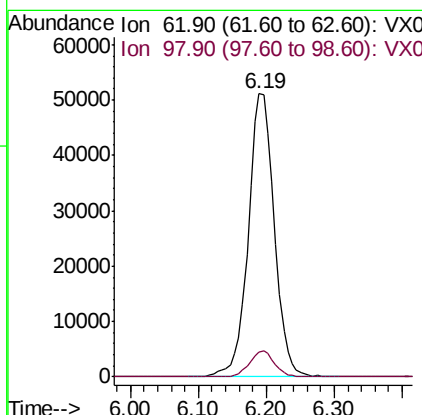
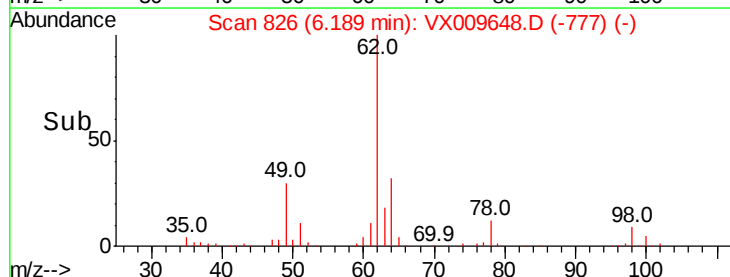
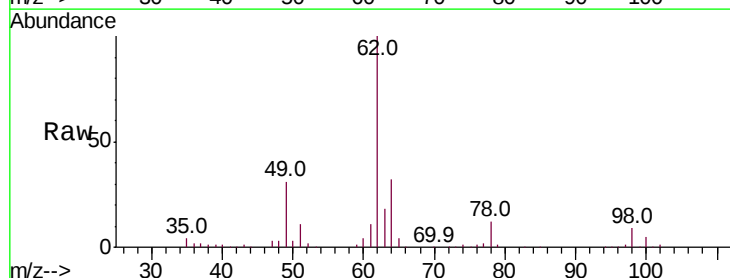
Manual Integrations
APPROVED

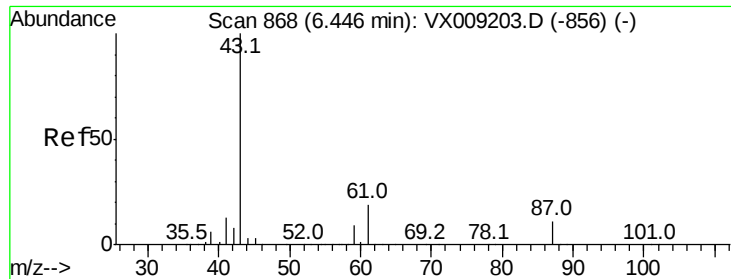
MMDadoda
5/17/2019 1:21:26 PM



#42
1,2-Dichloroethane
Concen: 53.131 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	62	Ratio	100	Resp	136734
Ion	62	100		Lower	Upper
	98	8.7		0.0	18.2





#43

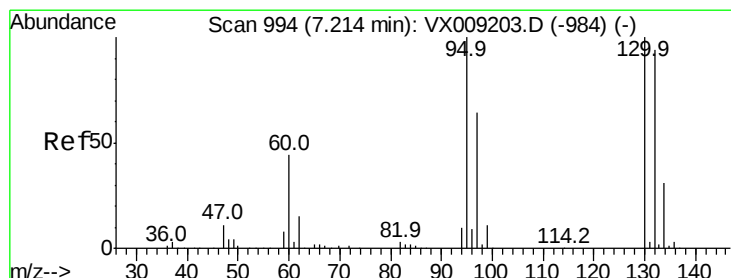
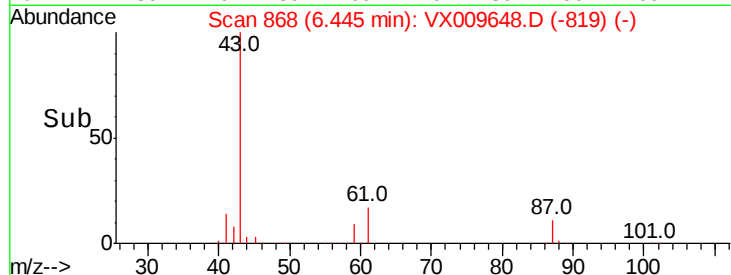
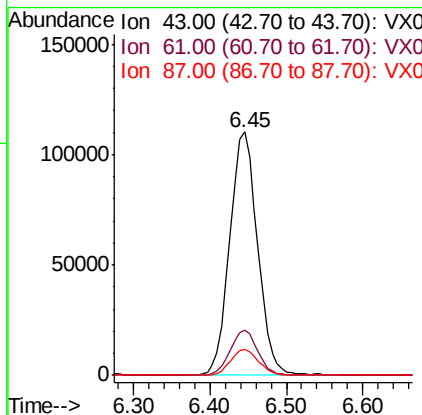
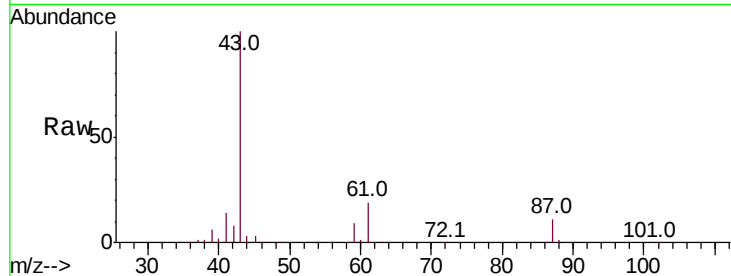
Isopropyl Acetate
 Concen: 53.654 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.1	22.7
87	11.0	9.0	13.6

Manual Integrations
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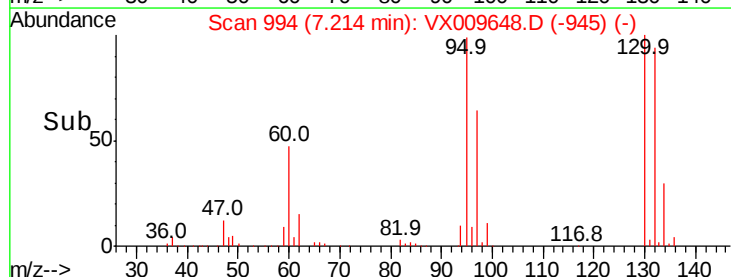
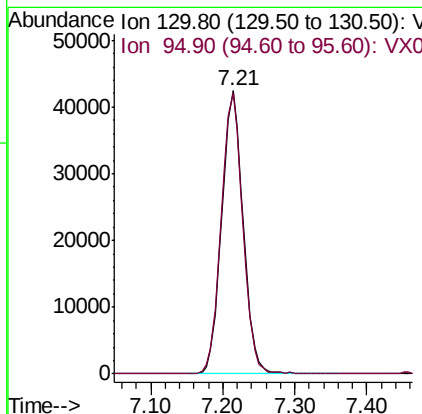
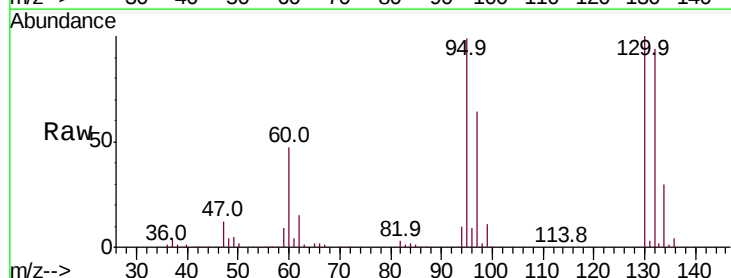
MMDadoda
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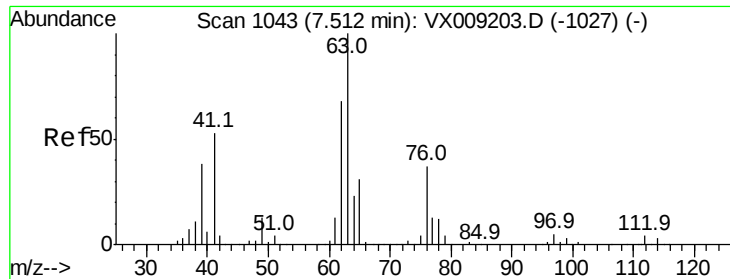


#44

Trichloroethene
 Concen: 50.825 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	199.2





#45

1,2-Dichloropropane

Concen: 52.282 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 63 Resp: 106209

Ion Ratio Lower Upper

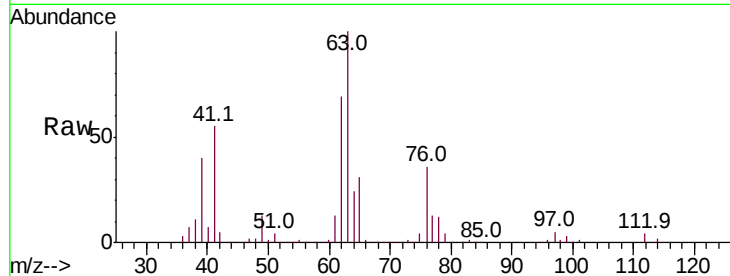
63 100

65 30.5 25.0 37.6

Manual Integrations
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MMDadoda

5/17/2019 1:21:26 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

20000

10000

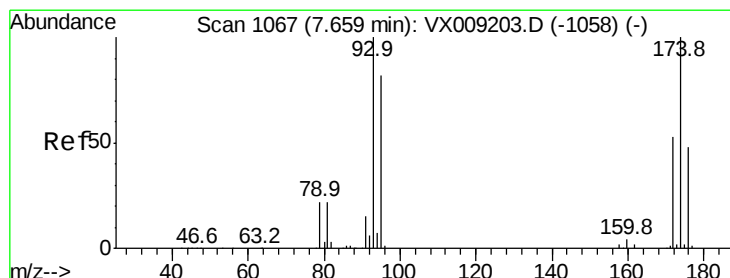
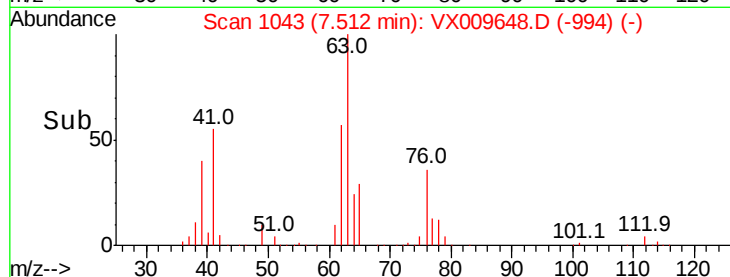
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 51.216 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

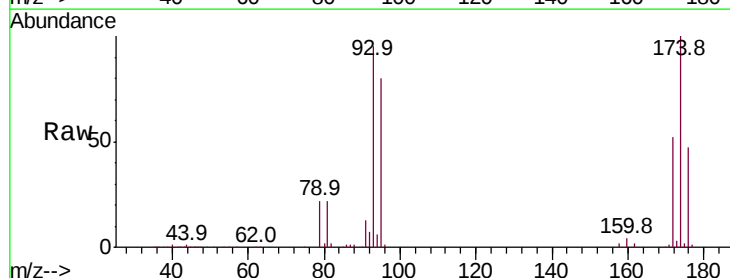
Tgt Ion: 93 Resp: 60419

Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 105.4 82.1 123.1



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

40000

30000

20000

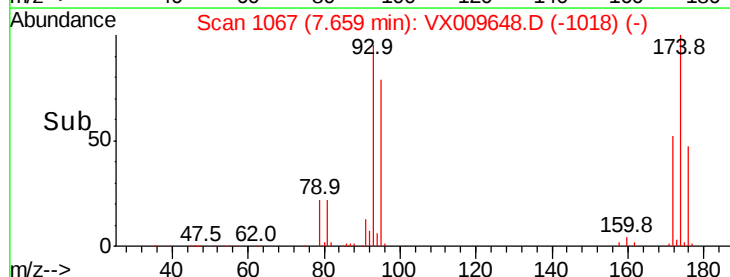
10000

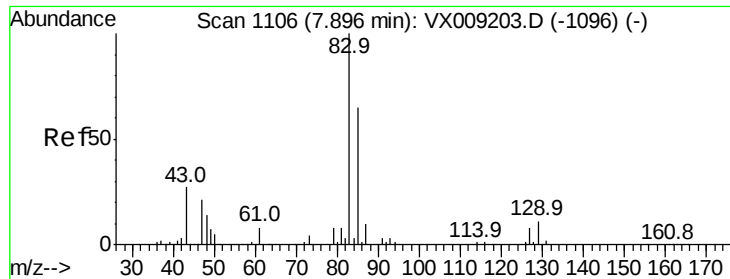
0

7.60

7.70

Time-->





#47

Bromodichloromethane

Concen: 52.698 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 83 Resp: 124008

Ion Ratio Lower Upper

83 100

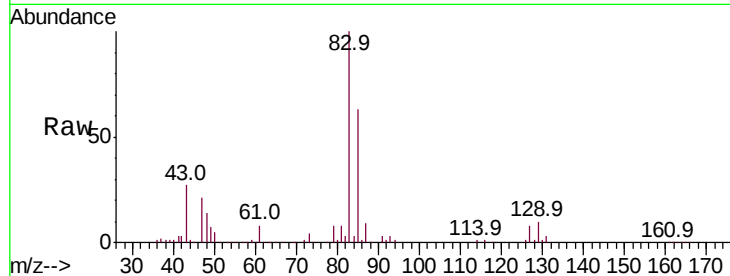
85 62.7 52.4 78.6

127 7.6 6.6 10.0

Manual Integrations
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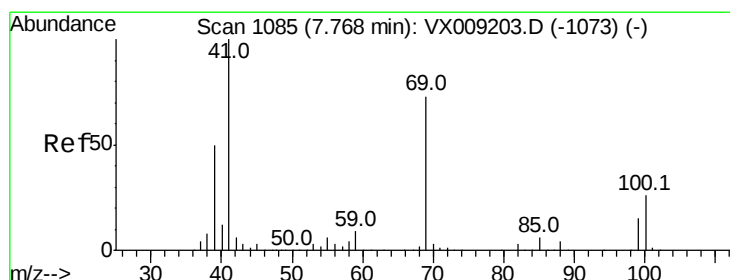
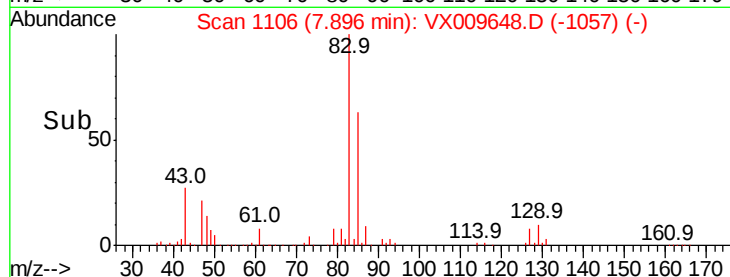
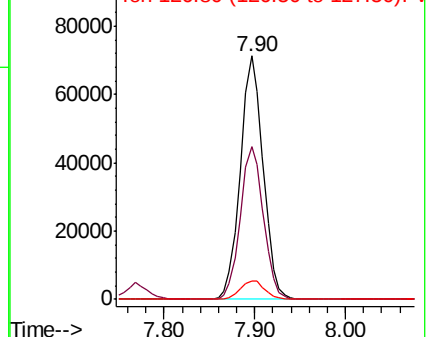
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.196 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

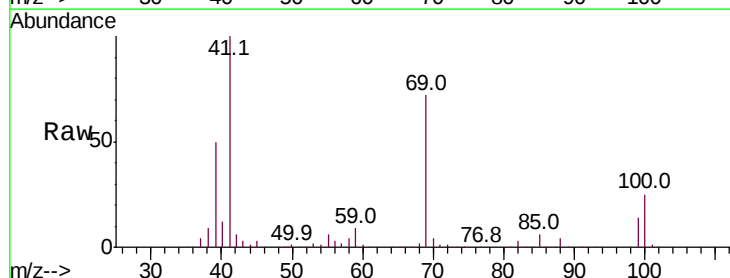
Tgt Ion: 41 Resp: 141476

Ion Ratio Lower Upper

41 100

69 72.2 59.1 88.7

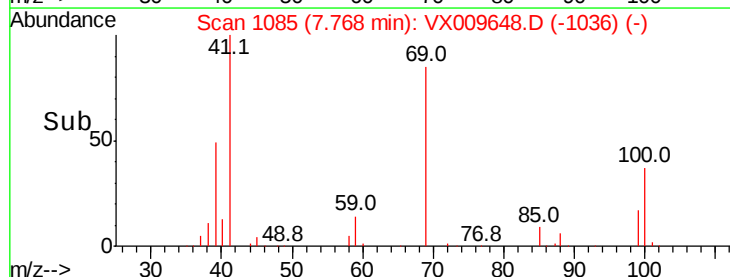
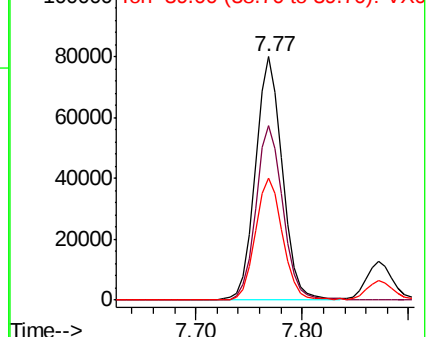
39 50.6 40.4 60.6

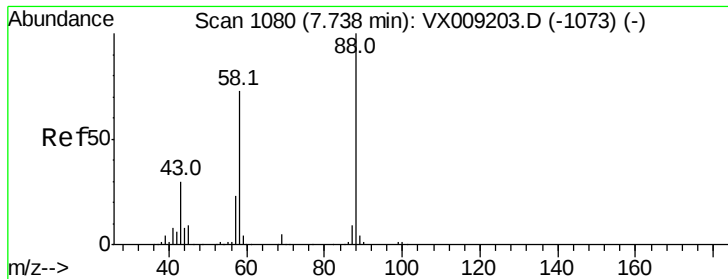


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 994.889 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

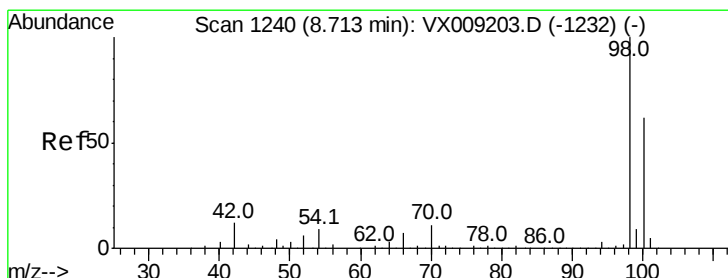
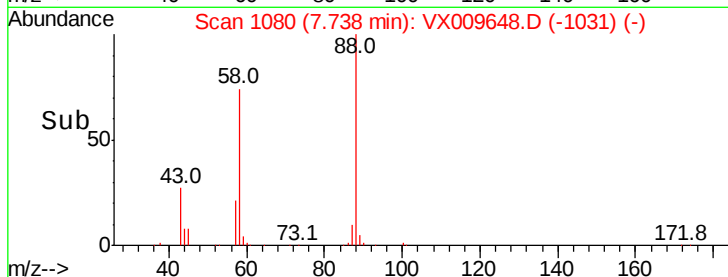
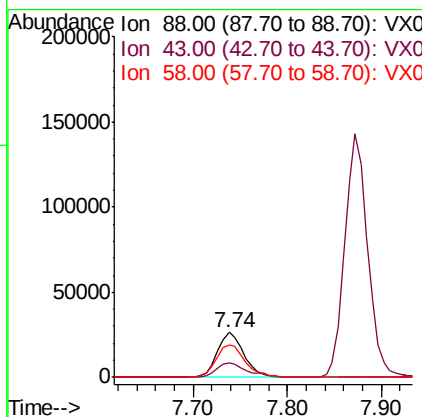
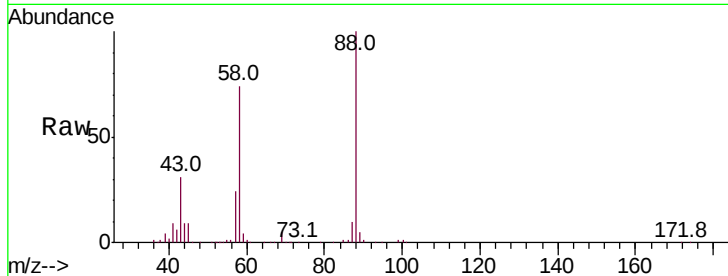
ClientSampleId :

SS052MW749-190514MSD

Tot Ion:	88	Resp:	51715
Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.6	42.8
58	78.2	61.7	92.5

Manual Integrations
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#50

Toluene-d8

Concen: 49.888 ug/l

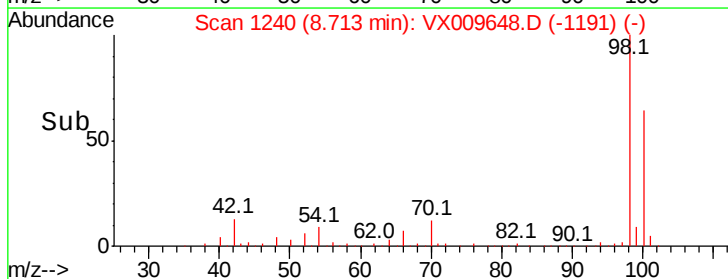
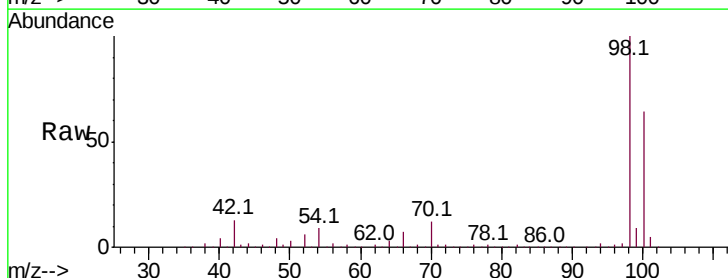
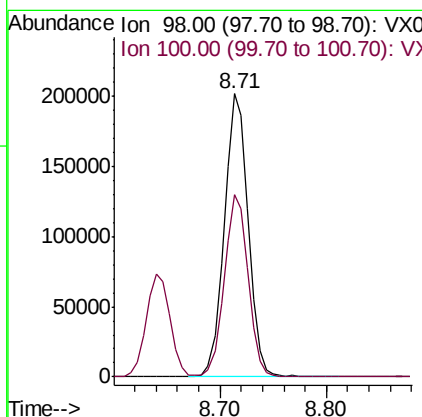
RT: 8.71 min Scan# 1240

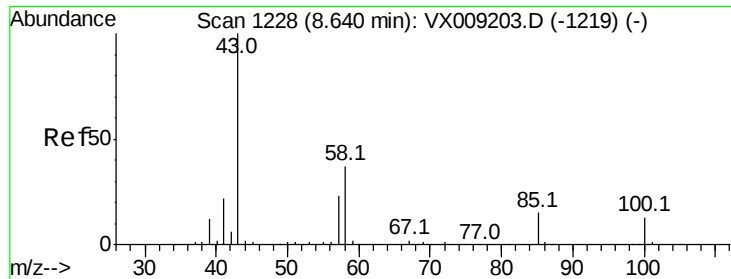
Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Tgt Ion:	98	Resp:	315839
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 278.141 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 43 Resp: 939241

Ion Ratio Lower Upper

43 100

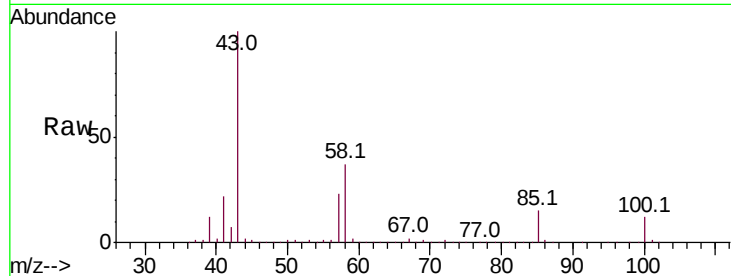
58 36.5 29.5 44.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

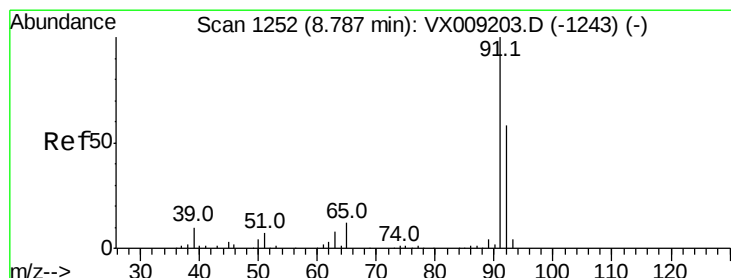
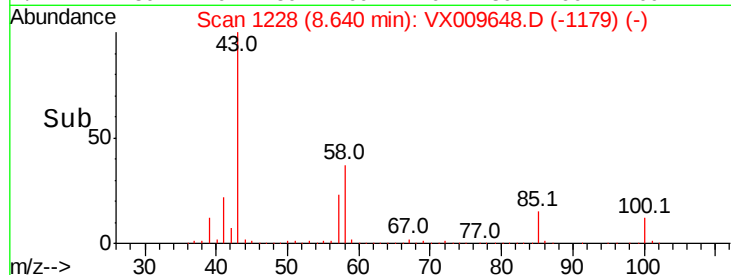
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.124 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009648.D

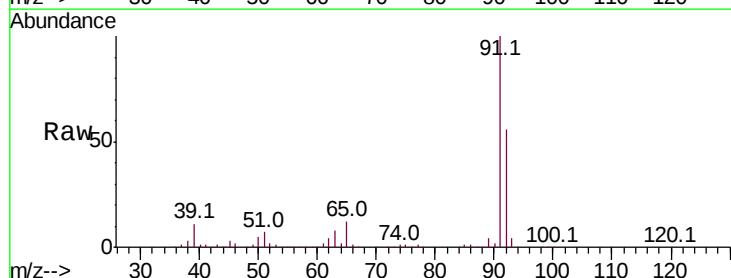
Acq: 17 May 2019 07:57

Tgt Ion: 92 Resp: 222956

Ion Ratio Lower Upper

92 100

91 174.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

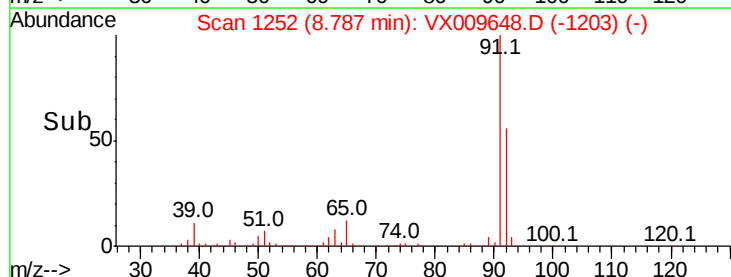
150000

100000

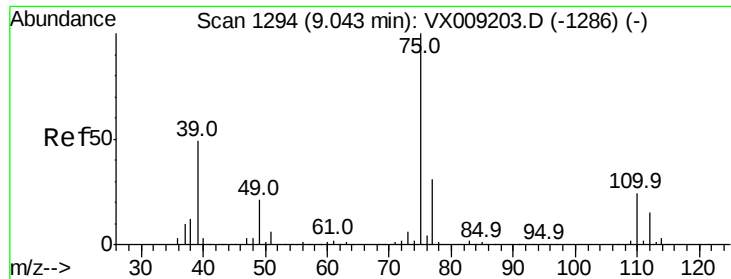
50000

0

Time-->



Time-->



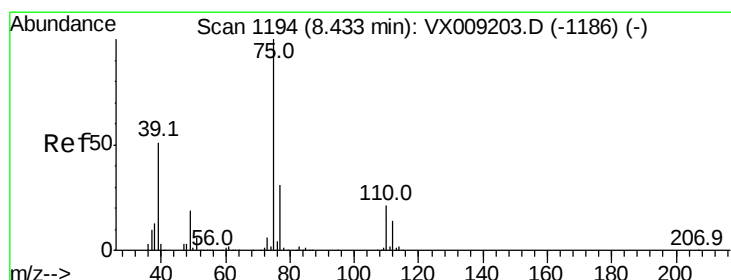
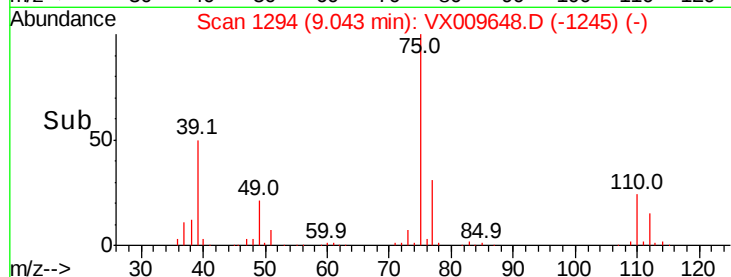
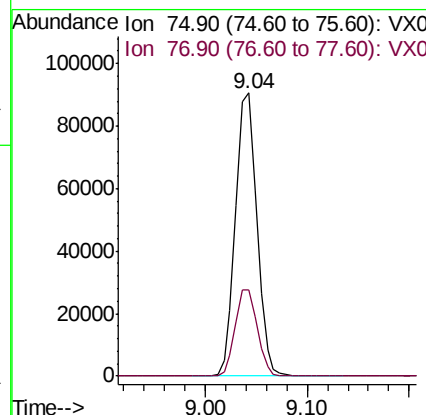
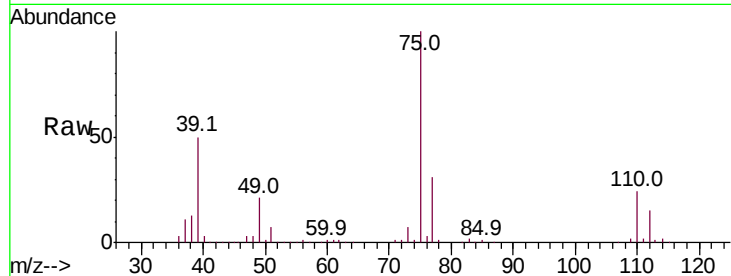
#53
 t-1,3-Dichloropropene
 Concen: 49.574 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion: 75 Resp: 131706
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.6

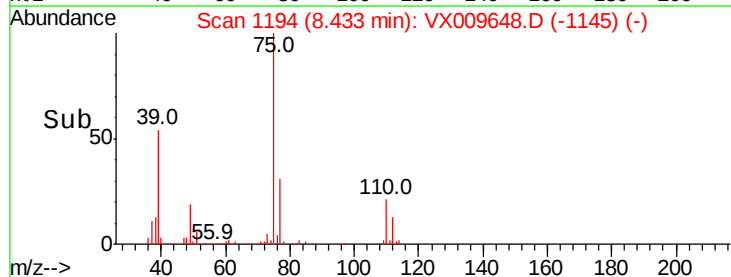
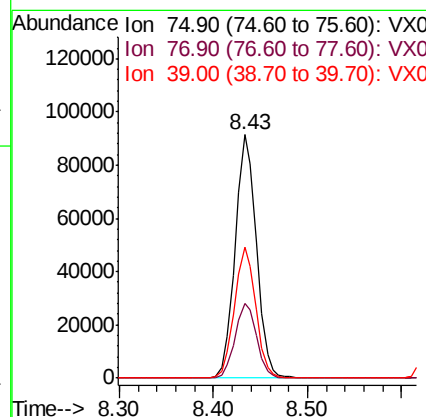
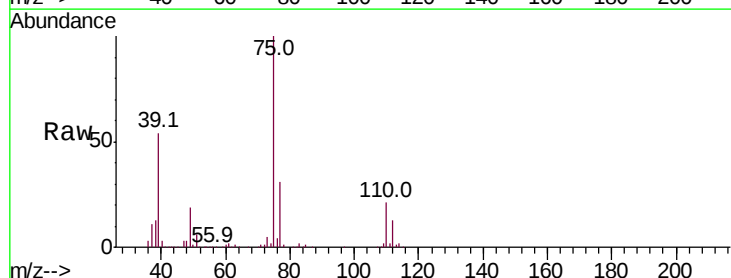
Manual Integrations
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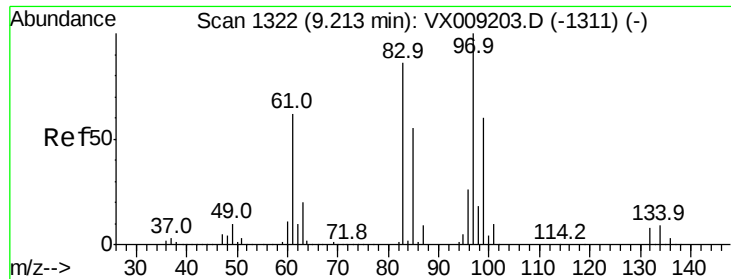
MMDadoda
 5/17/2019 1:21:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.847 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion: 75 Resp: 143641
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8
 39 53.9 40.6 60.8





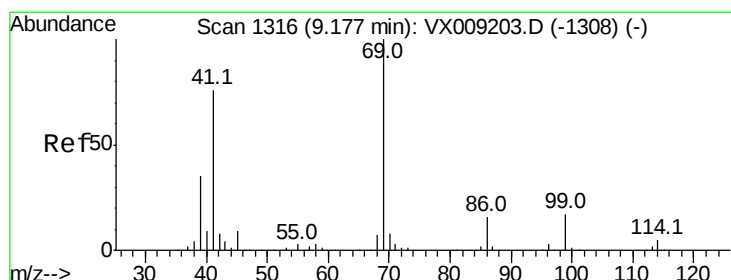
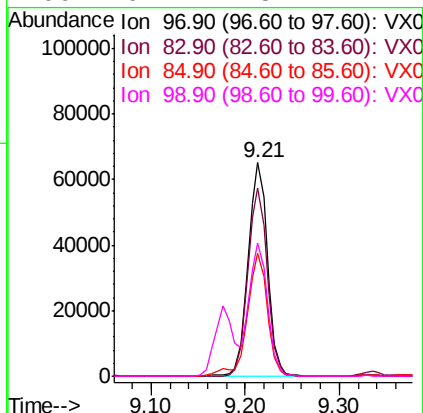
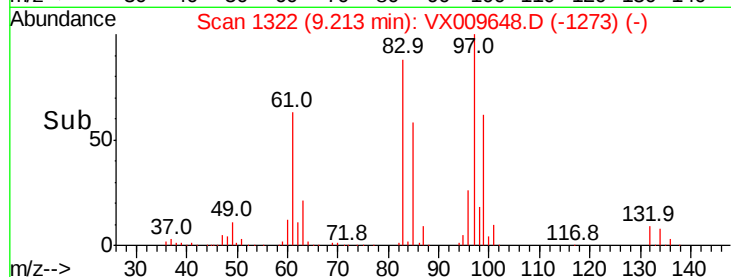
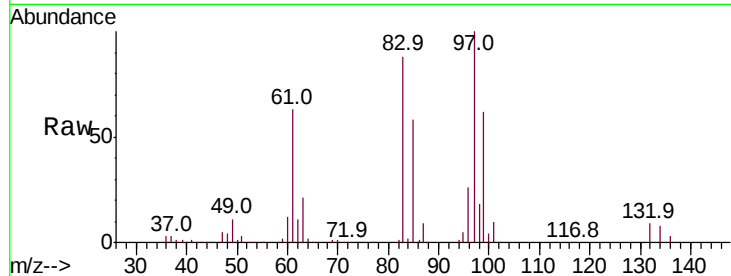
#55
 1,1,2-Trichloroethane
 Concen: 52.830 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		93995		
83	88.1	68.9	103.3		
85	57.7	43.8	65.6		
99	62.1	48.2	72.2		

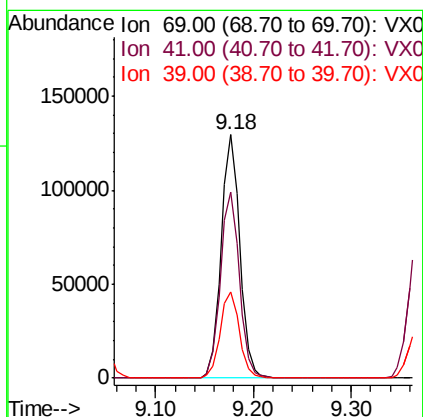
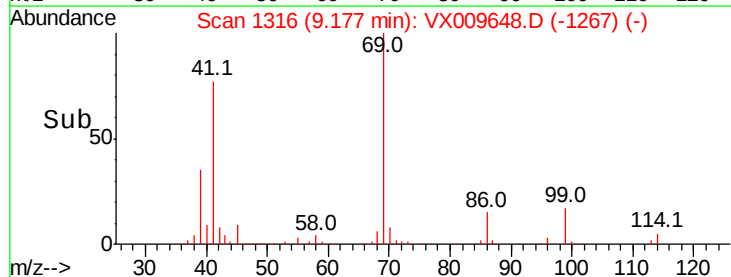
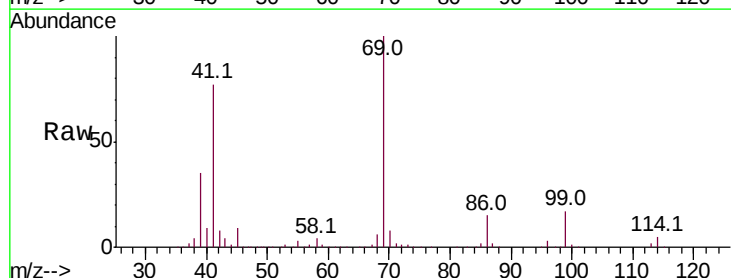
Manual Integrations
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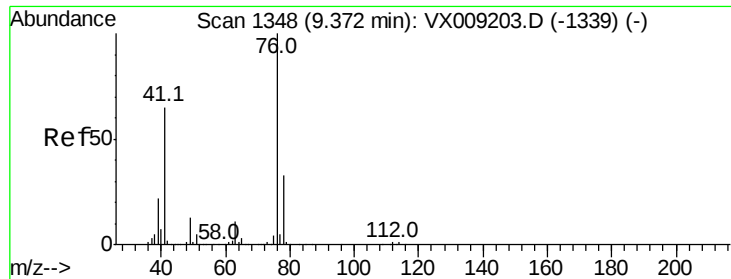
MMDadoda
 5/17/2019 1:21:26 PM



#56
 Ethyl methacrylate
 Concen: 54.307 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		172476		
41	77.4	60.6	90.8		
39	36.0	28.2	42.4		





#57

1,3-Dichloropropane

Concen: 52.524 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 76 Resp: 164451

Ion Ratio Lower Upper

76 100

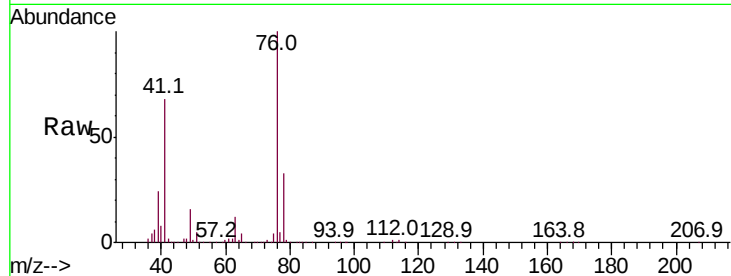
78 32.0 25.5 38.3

Manual Integrations

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MMDadoda

5/17/2019 1:21:26 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

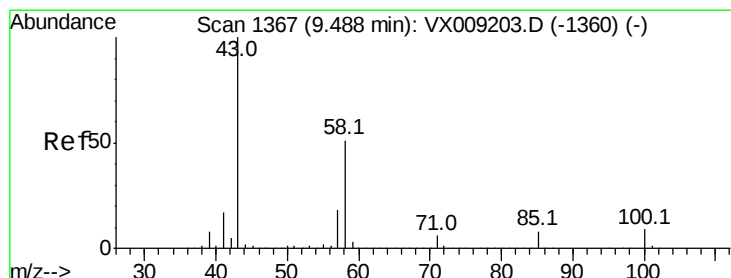
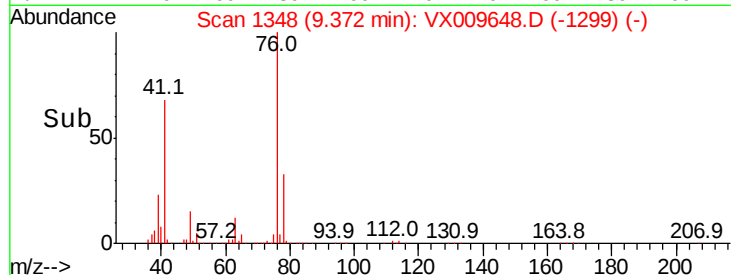
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 276.863 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX009648.D

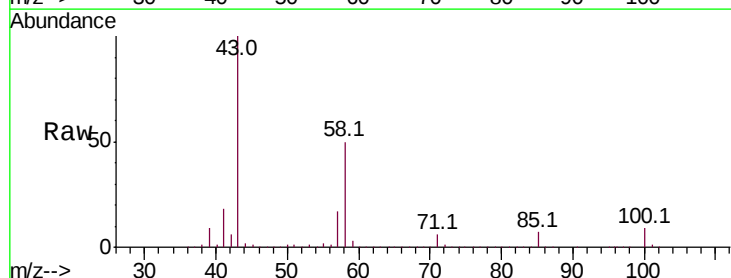
Acq: 17 May 2019 07:57

Tgt Ion: 43 Resp: 734280

Ion Ratio Lower Upper

43 100

58 50.7 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

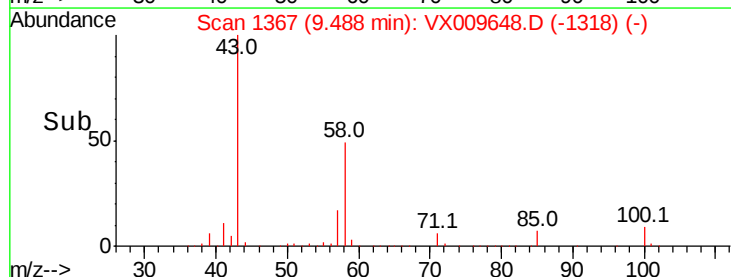
300000

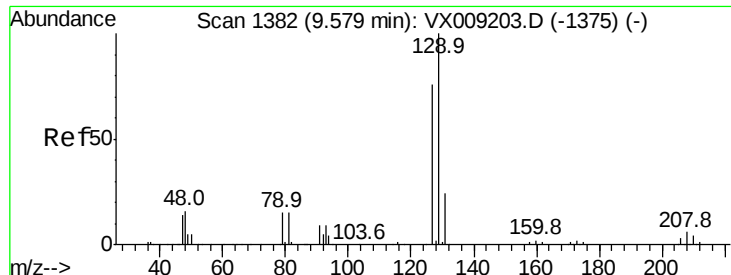
200000

100000

0

Time-->





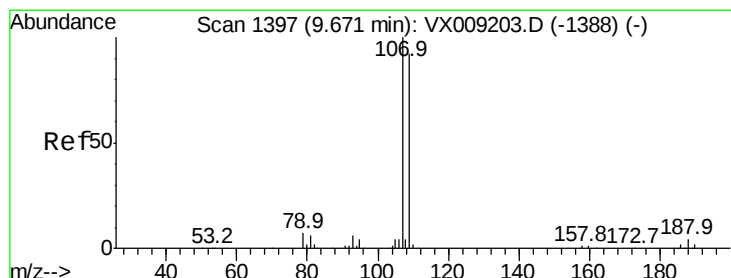
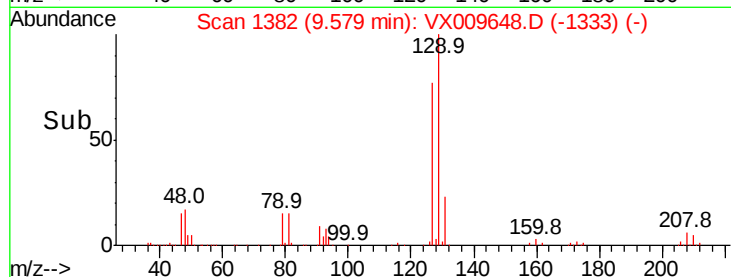
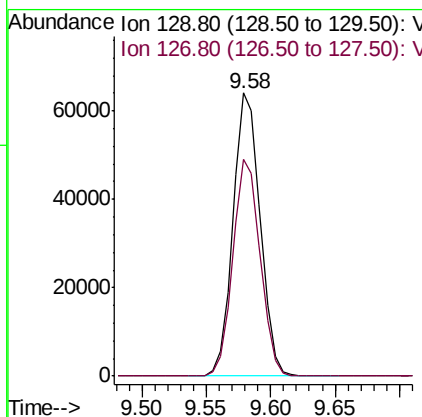
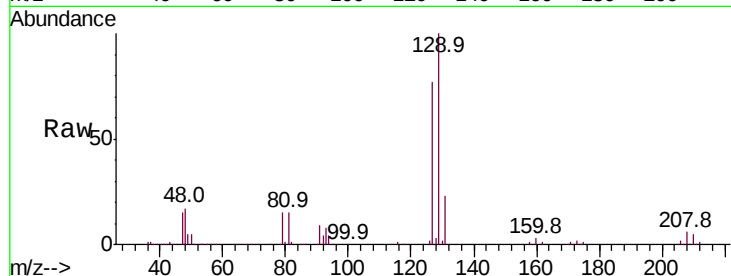
#60
 Dibromochloromethane
 Concen: 54.038 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion:129 Resp: 93903
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.4 115.1

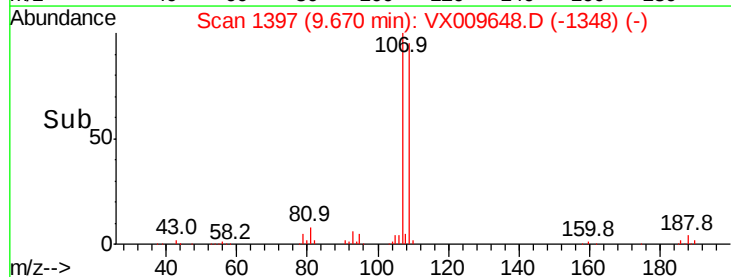
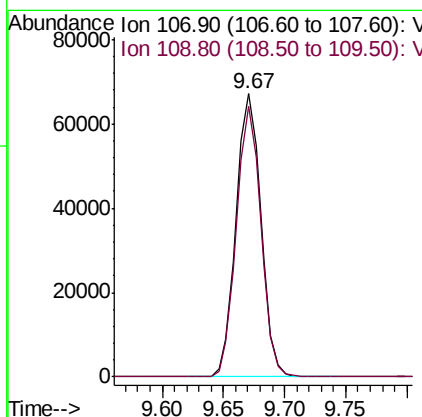
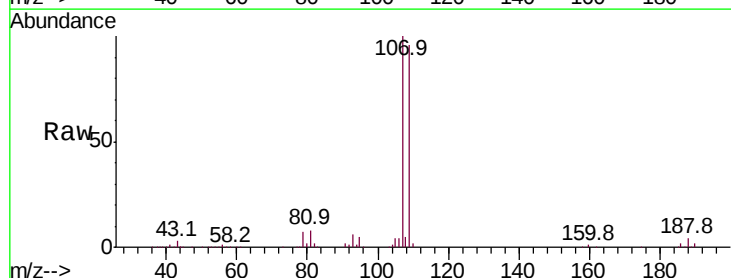
Manual Integrations
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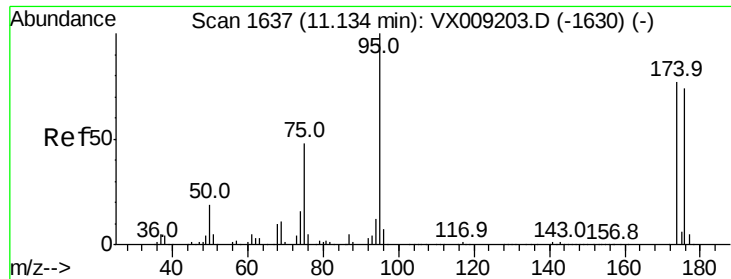
MMDadoda
 5/17/2019 1:21:26 PM



#61
 1,2-Dibromoethane
 Concen: 52.525 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion:107 Resp: 94333
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 52.162 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

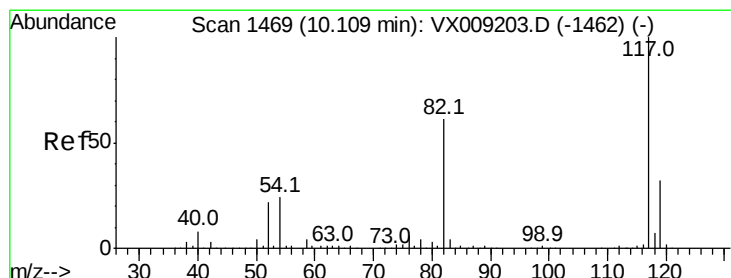
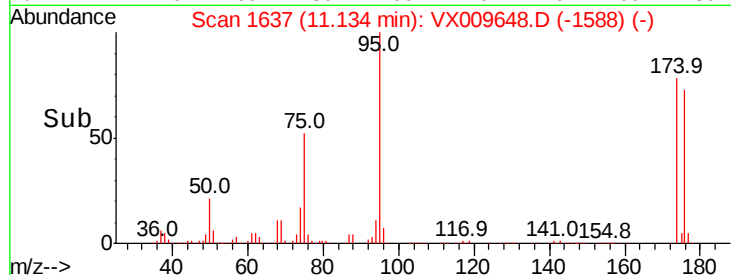
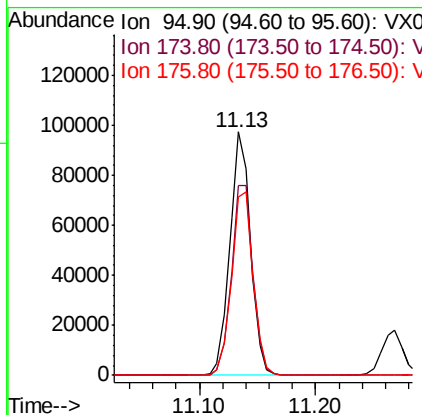
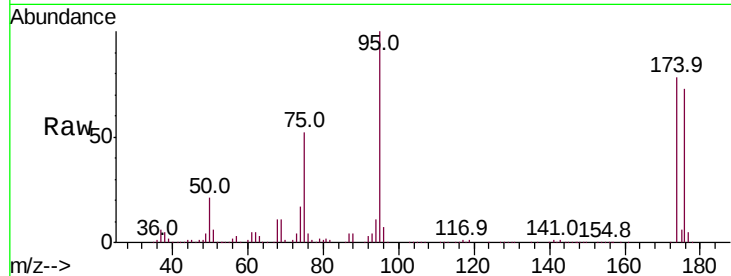
ClientSampleId :

SS052MW749-190514MSD

Tot Ion:	95	Resp:	119996
Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	161.6
176	79.0	0.0	159.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

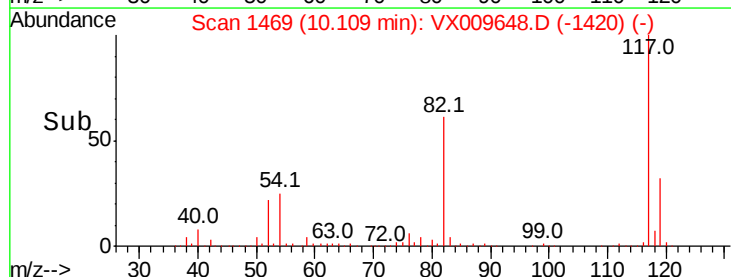
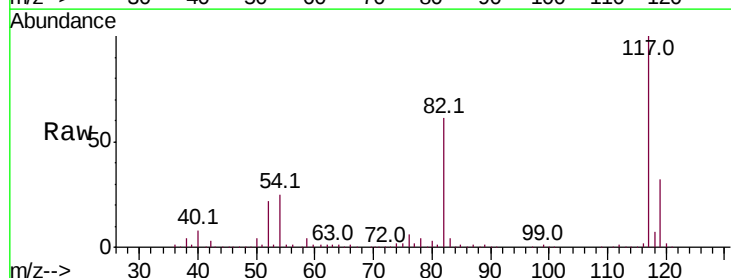
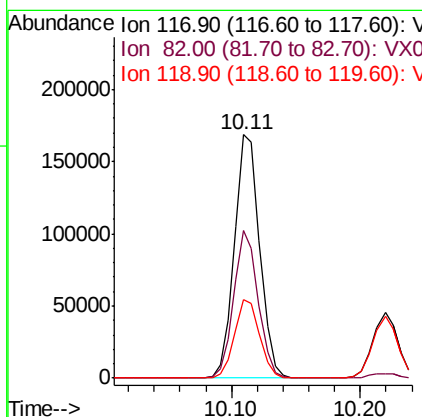
RT: 10.11 min Scan# 1469

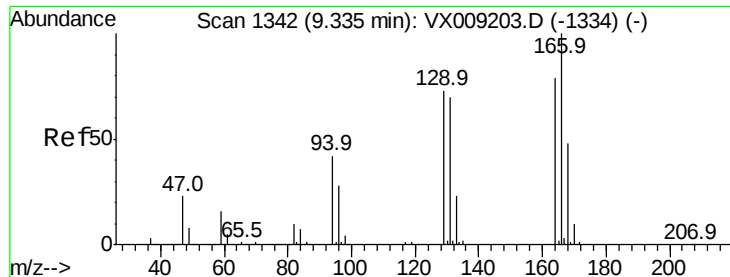
Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Tgt Ion:	117	Resp:	231342
Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.8	73.2
119	32.0	25.8	38.6





#64

Tetrachloroethene

Concen: 53.669 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion:164 Resp: 85167

Ion Ratio Lower Upper

164 100

166 128.2 101.2 151.8

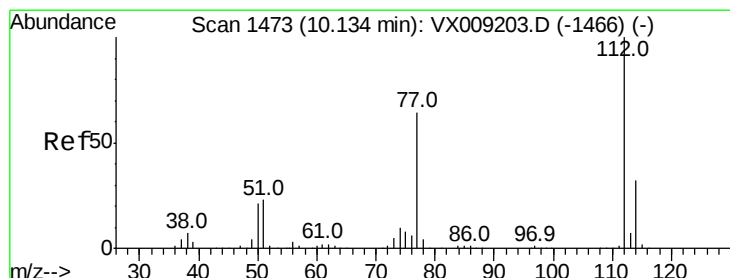
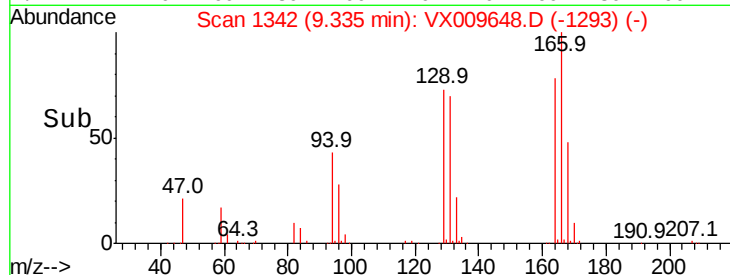
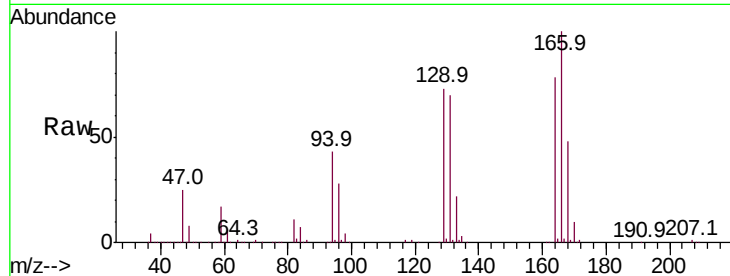
129 93.6 74.3 111.5

131 90.1 71.0 106.6

Manual Integrations
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#65

Chlorobenzene

Concen: 51.040 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009648.D

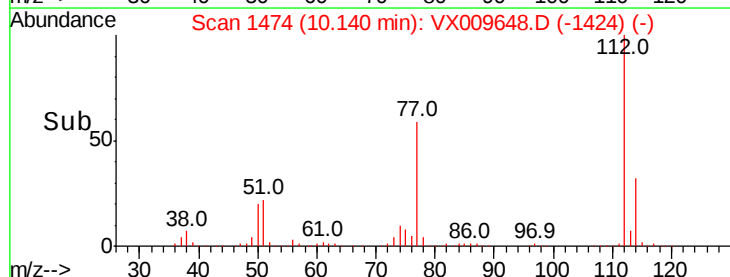
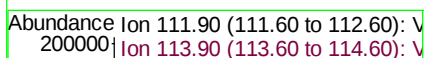
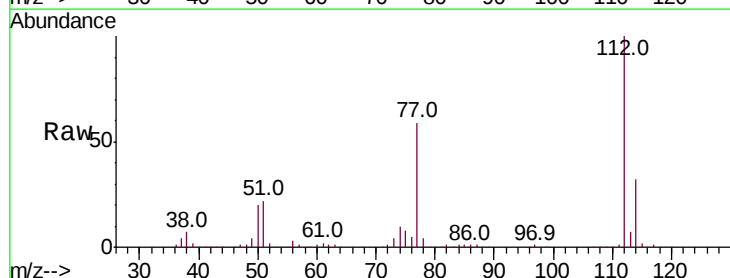
Acq: 17 May 2019 07:57

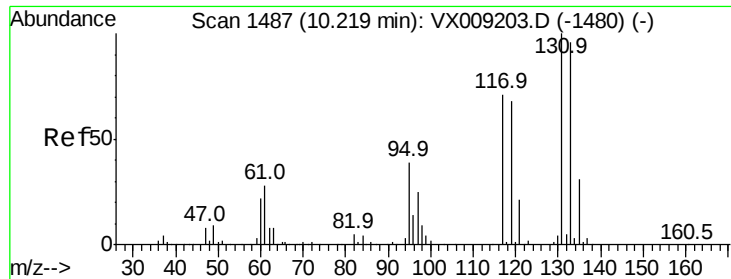
Tgt Ion:112 Resp: 236205

Ion Ratio Lower Upper

112 100

114 31.7 25.5 38.3





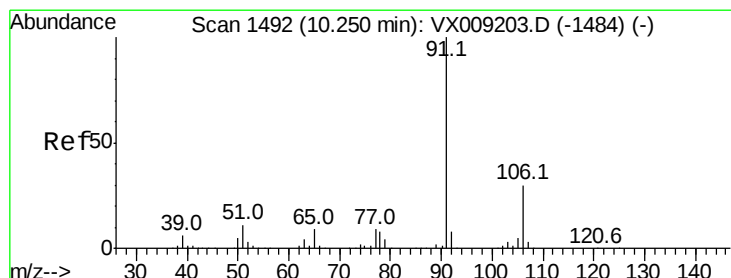
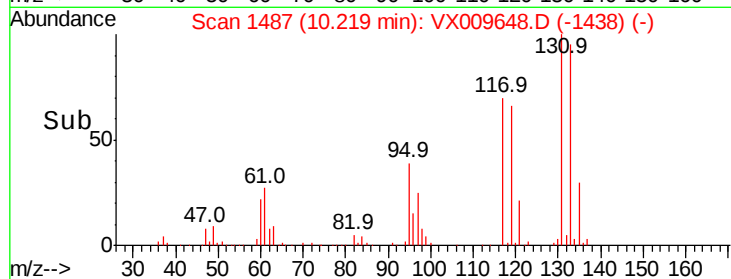
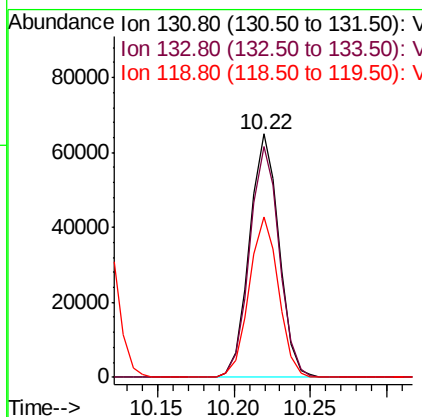
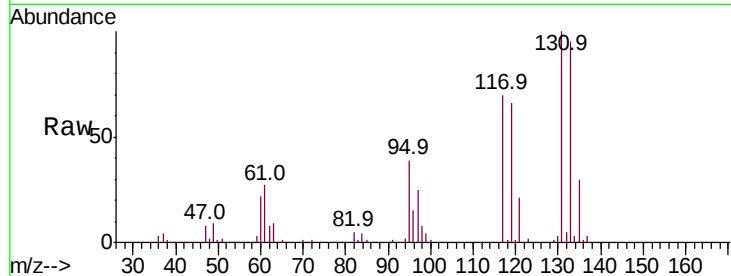
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.010 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion:131 Resp: 87262
 Ion Ratio Lower Upper
 131 100
 133 95.1 47.7 143.1
 119 65.6 33.5 100.4

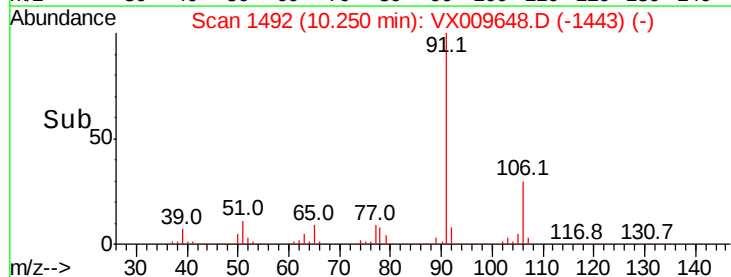
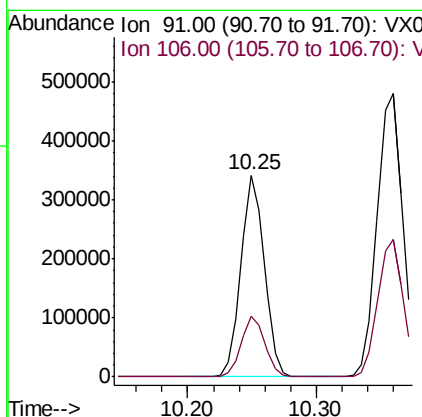
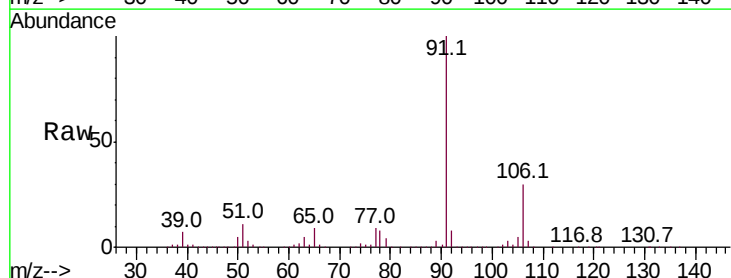
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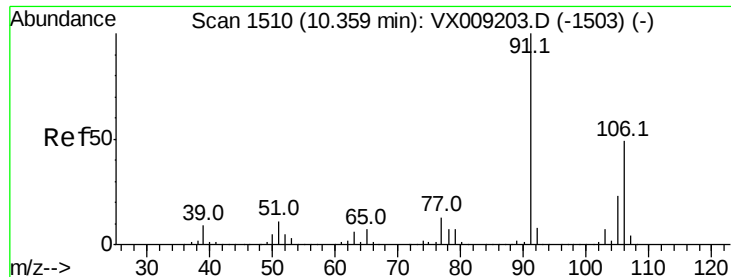
MMDadoda
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#67
 Ethyl Benzene
 Concen: 50.688 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion: 91 Resp: 431716
 Ion Ratio Lower Upper
 91 100
 106 30.2 24.0 36.0





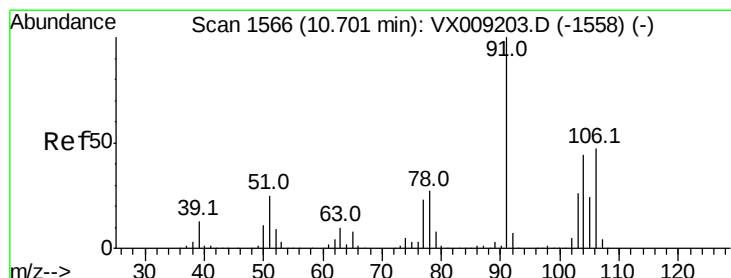
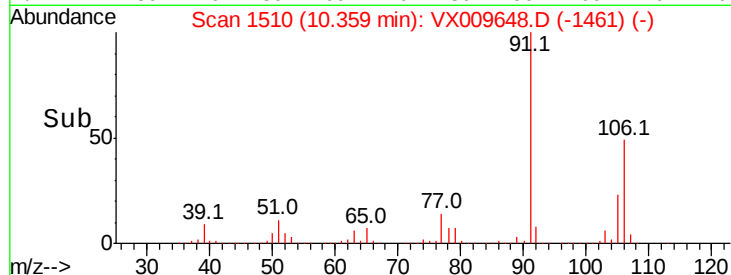
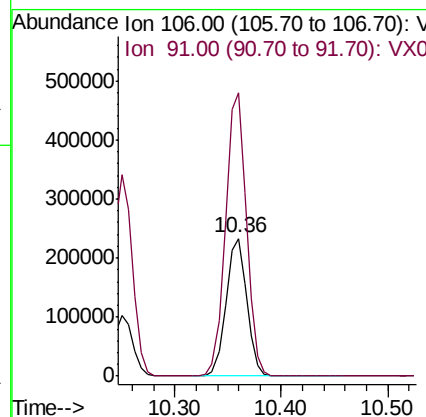
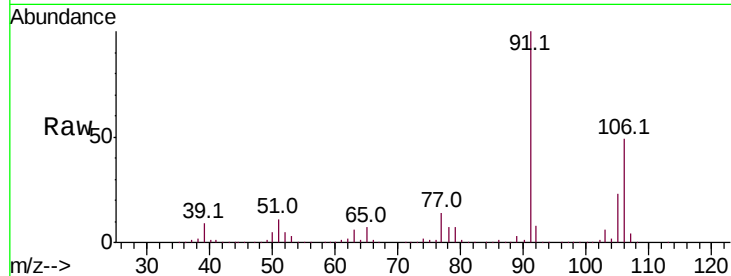
#68
m/p-Xvlenes
Concen: 101.760 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion:106 Resp: 316719
Ion Ratio Lower Upper
106 100
91 207.4 164.0 246.0

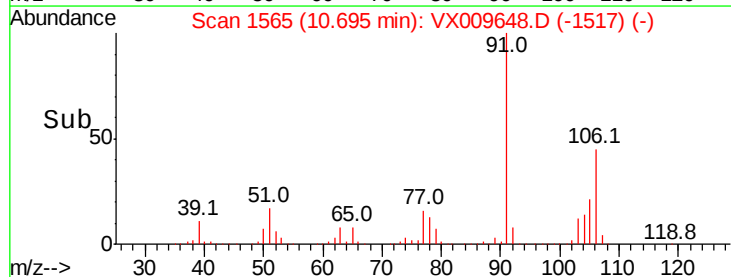
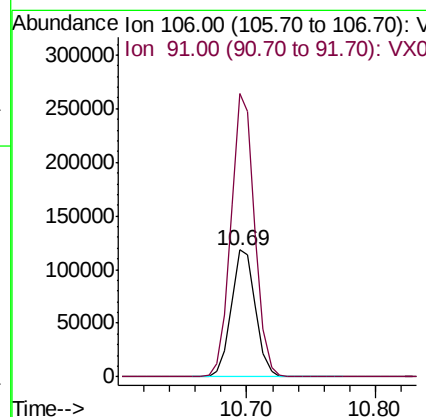
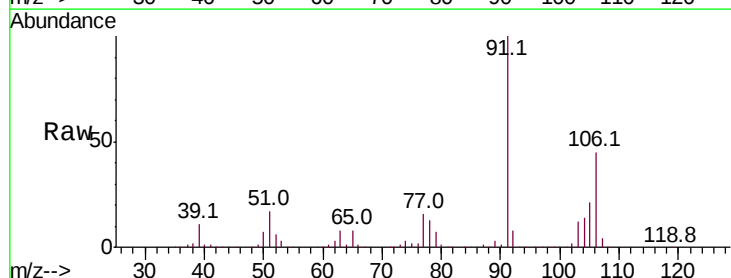
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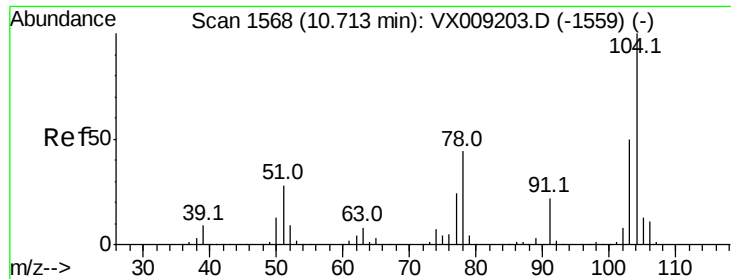
MMDadoda
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#69
o-Xylene
Concen: 50.918 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion:106 Resp: 156363
Ion Ratio Lower Upper
106 100
91 218.5 109.5 328.4





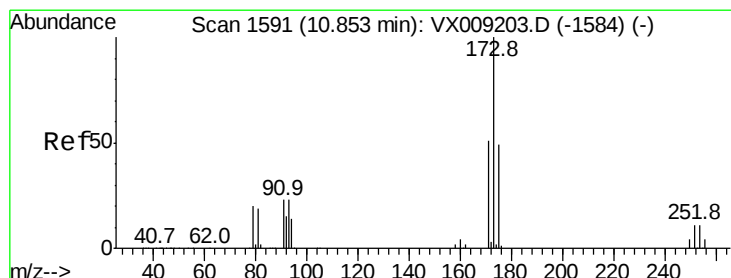
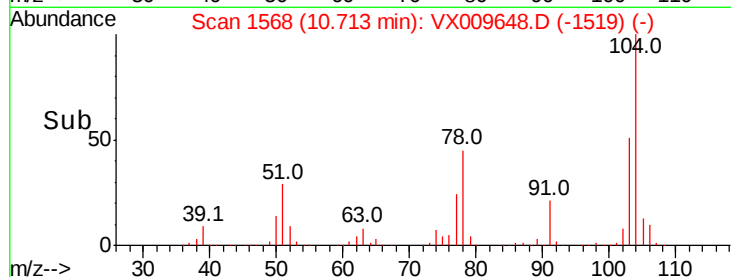
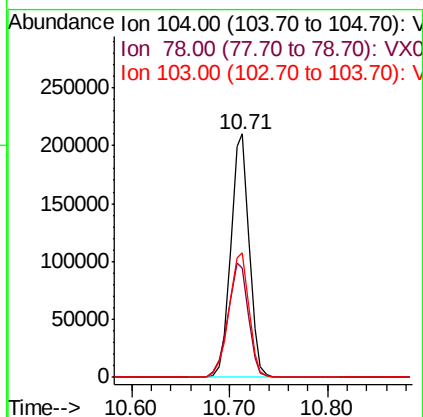
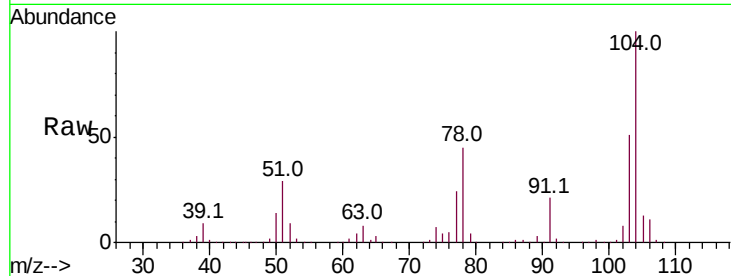
#70
Stvrene
Concen: 51.277 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.5	41.0	61.4
103	55.9	43.8	65.6

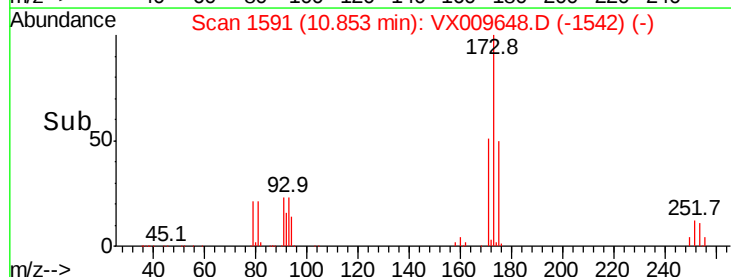
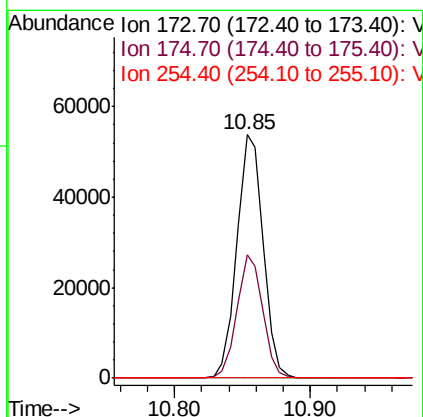
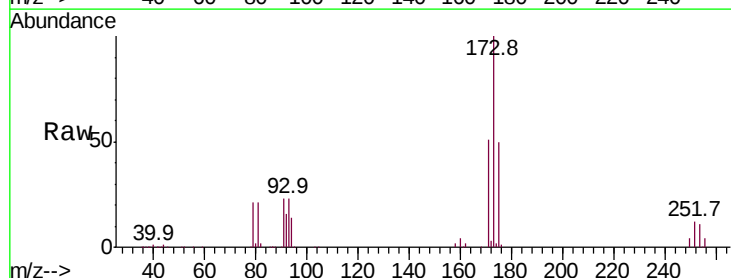
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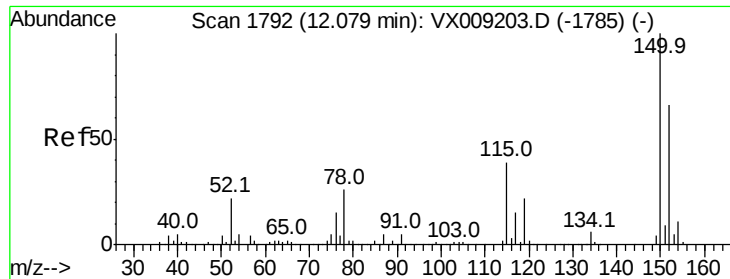
MMDadoda
5/17/2019 1:21:26 PM



#71
Bromoform
Concen: 52.997 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.5	73.5
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion:152 Resp: 115333

Ion Ratio Lower Upper

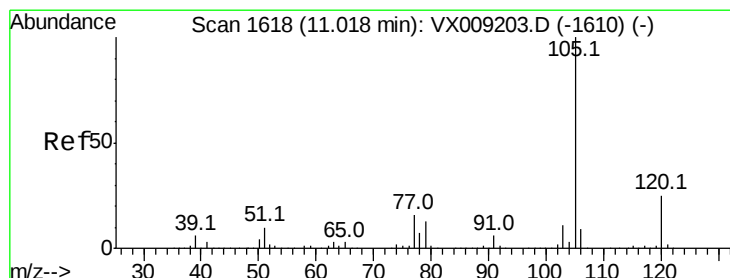
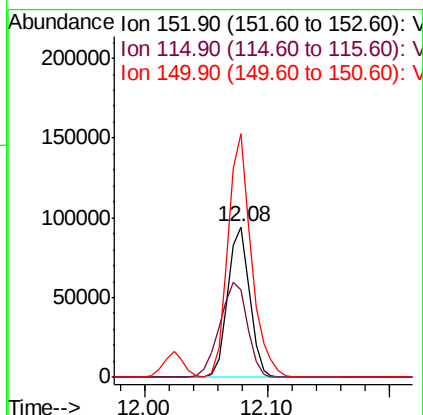
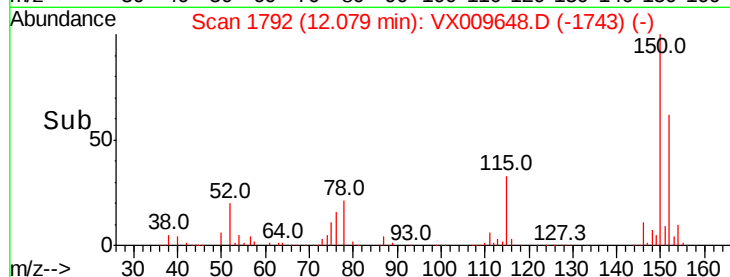
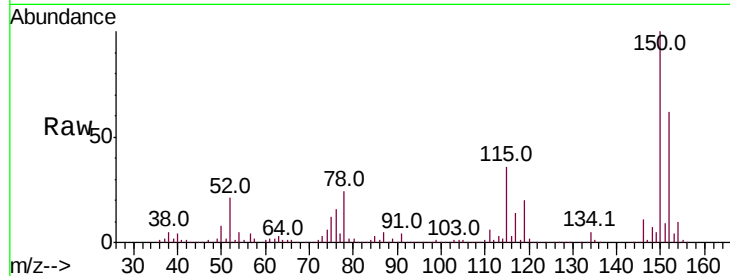
152 100

115 81.4 41.2 123.6

150 173.3 0.0 346.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 49.705 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009648.D

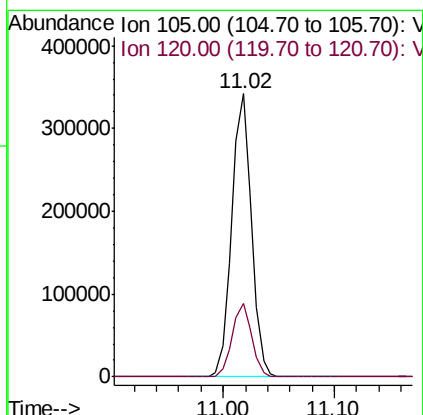
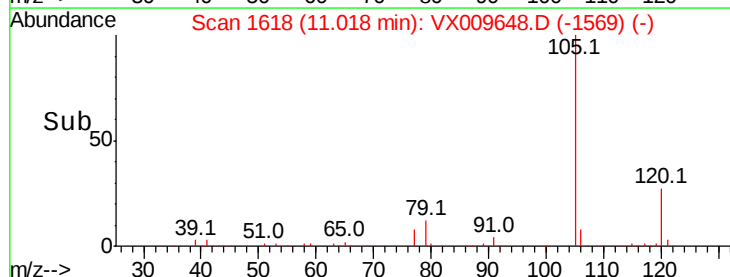
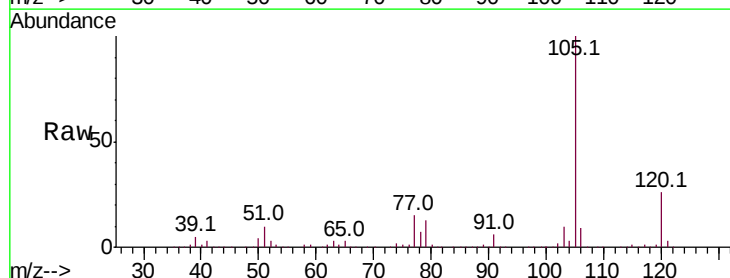
Acq: 17 May 2019 07:57

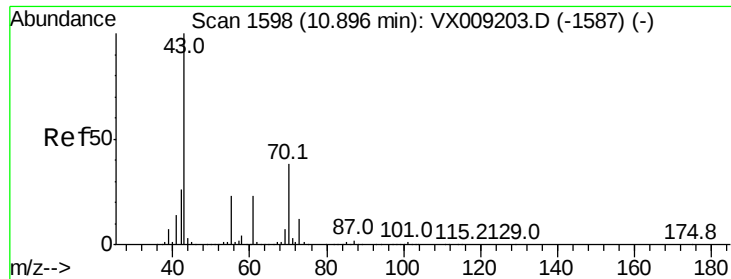
Tgt Ion:105 Resp: 416871

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3





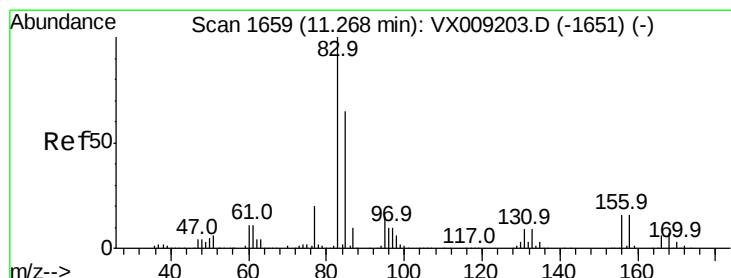
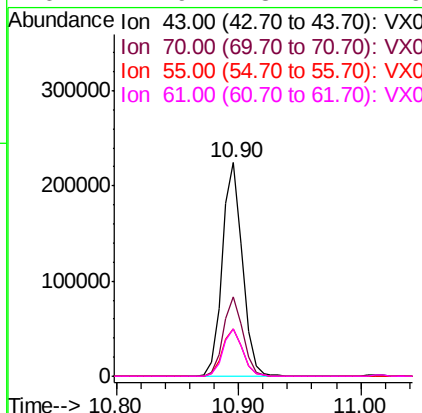
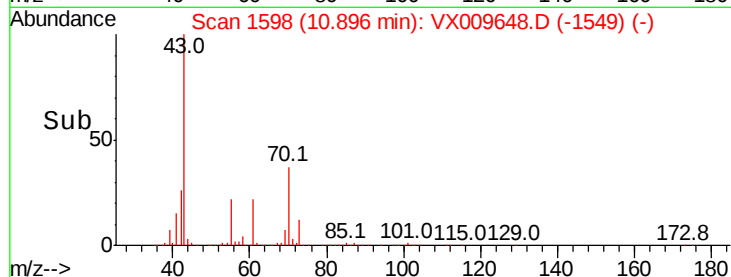
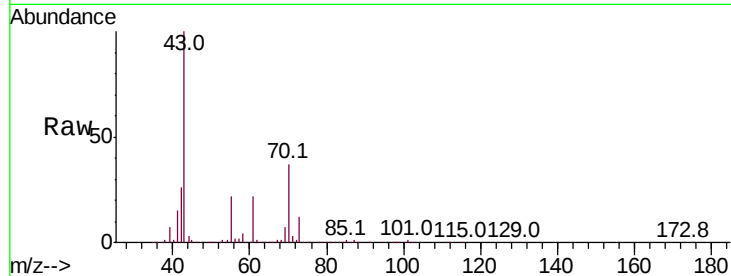
#74
N-amvl acetate
Concen: 52.166 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
70	36.6	30.0	45.0	
55	22.4	17.9	26.9	
61	21.9	18.4	27.6	

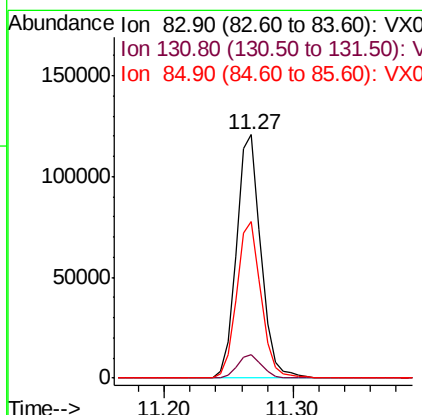
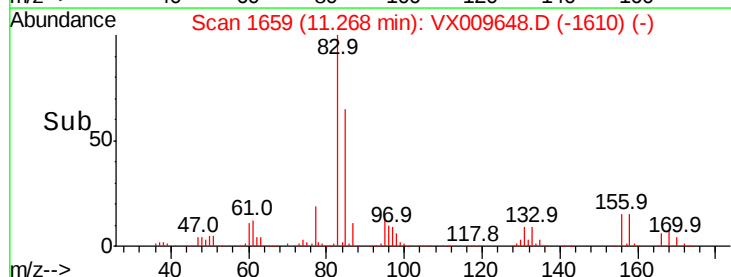
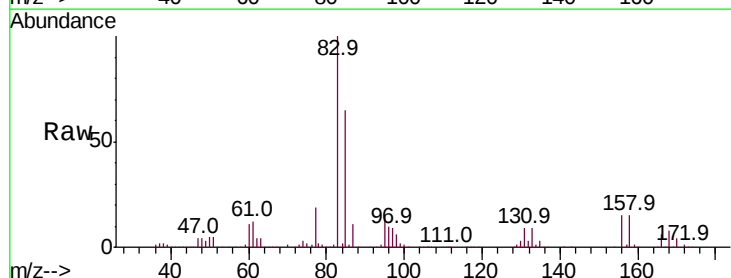
Manual Integrations
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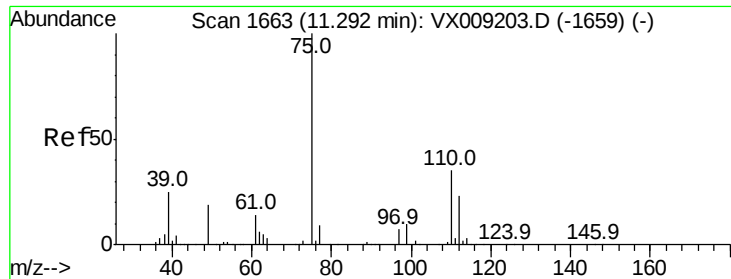
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#75
1,1,2,2-Tetrachloroethane
Concen: 50.758 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.5	4.6	13.8	
85	64.6	32.0	96.2	





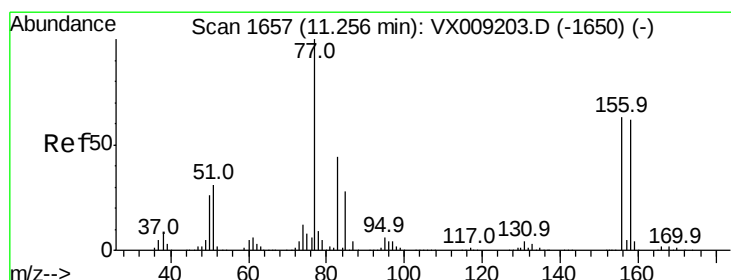
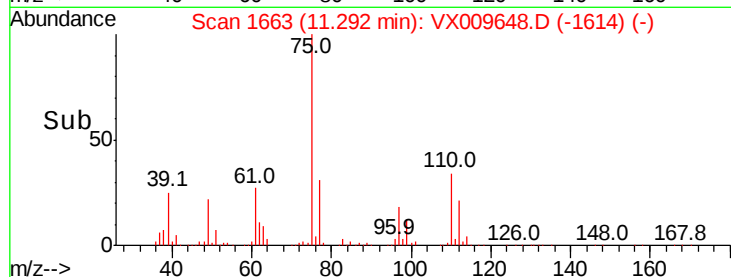
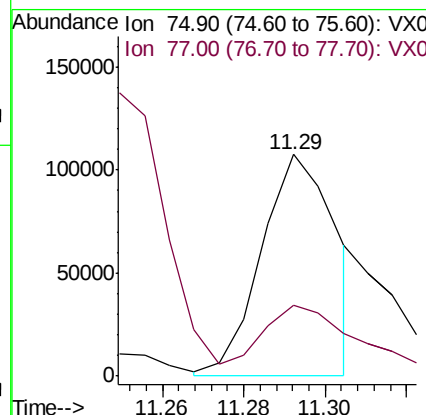
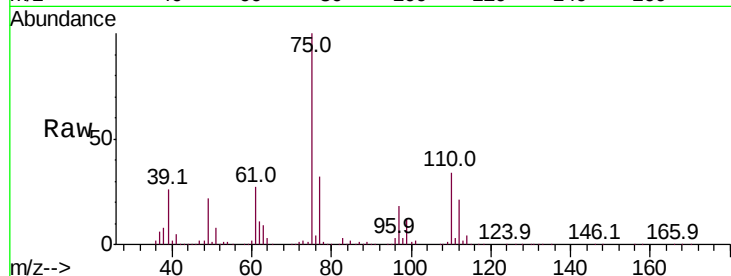
#76
 1,2,3-Trichloropropane
 Concen: 50.801 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion: 75 Resp: 135908
 Ion Ratio Lower Upper
 75 100
 77 42.3 22.1 66.1

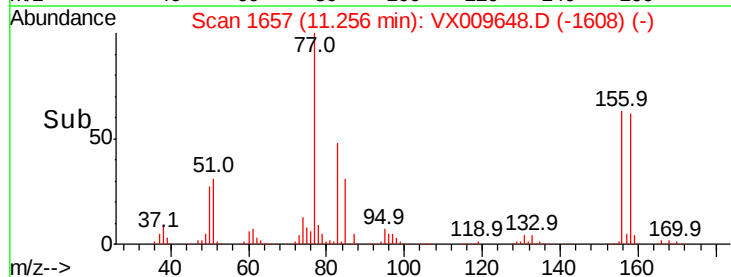
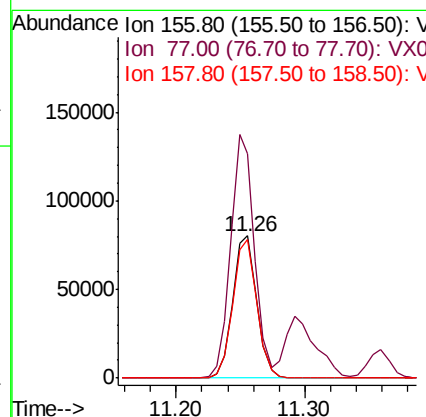
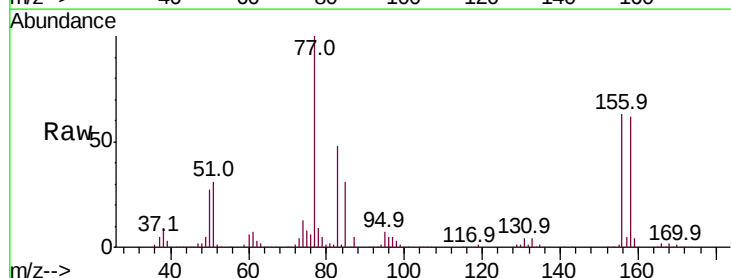
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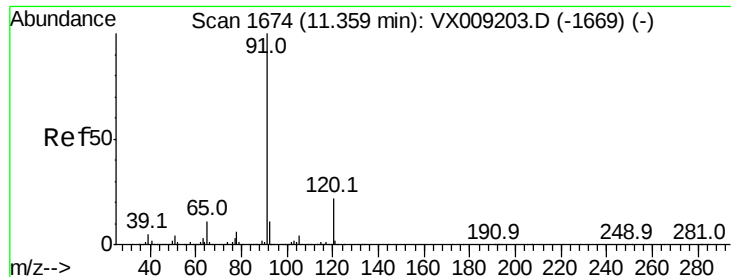
MMDadoda
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#77
 Bromobenzene
 Concen: 50.429 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion: 156 Resp: 104976
 Ion Ratio Lower Upper
 156 100
 77 169.1 84.8 254.3
 158 96.9 49.1 147.3





#78

n-propylbenzene

Concen: 50.013 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 91 Resp: 479034

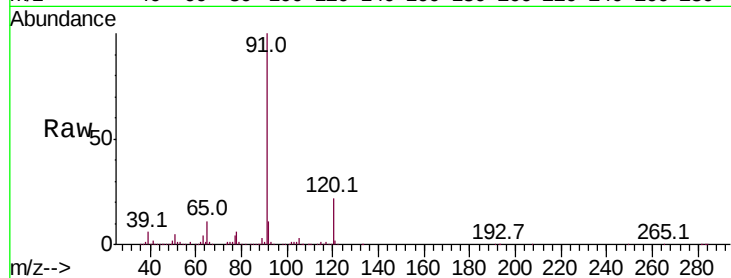
Ion Ratio Lower Upper

91 100

120 22.0 11.0 33.0

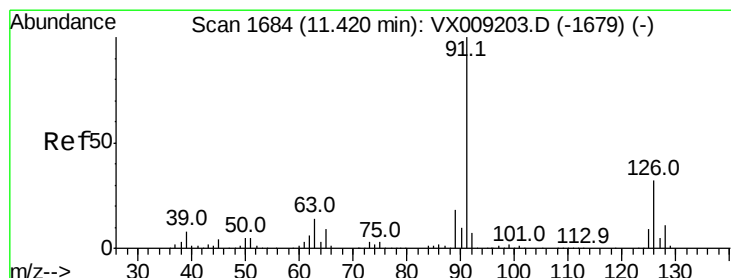
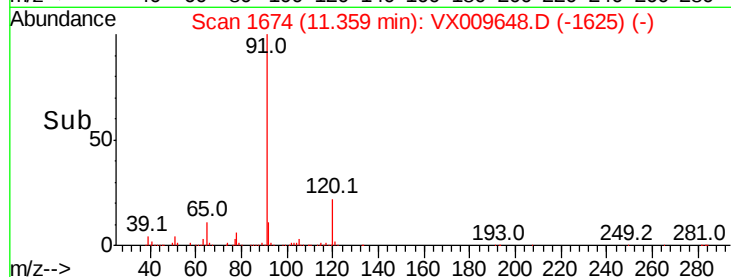
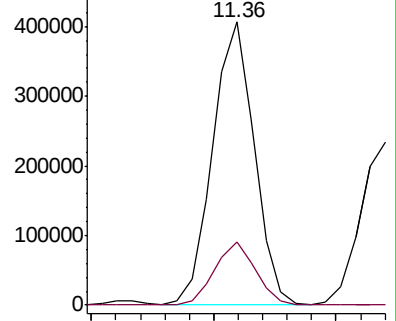
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 48.478 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009648.D

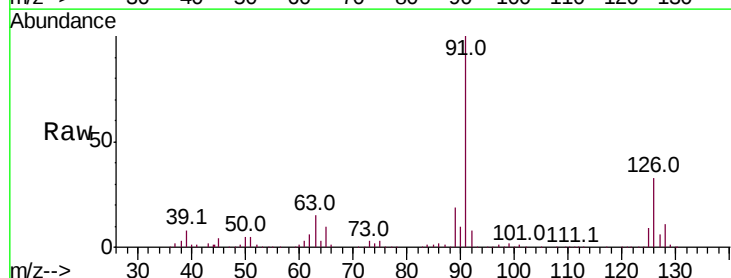
Acq: 17 May 2019 07:57

Tgt Ion: 91 Resp: 286469

Ion Ratio Lower Upper

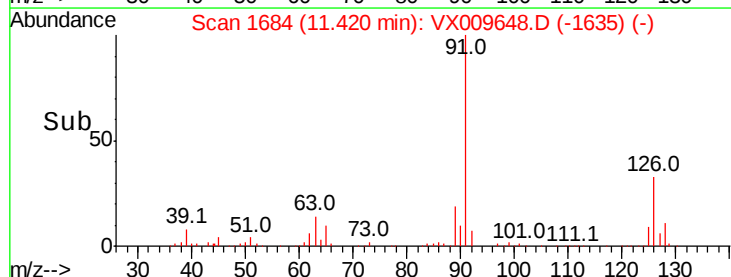
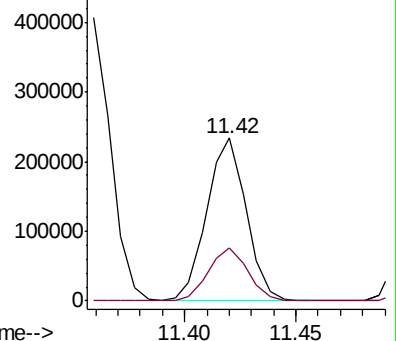
91 100

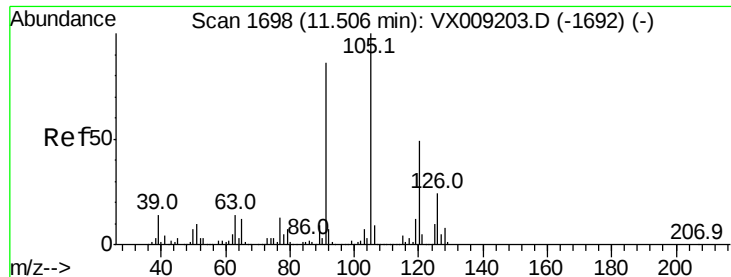
126 32.8 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 50.070 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion:105 Resp: 353587

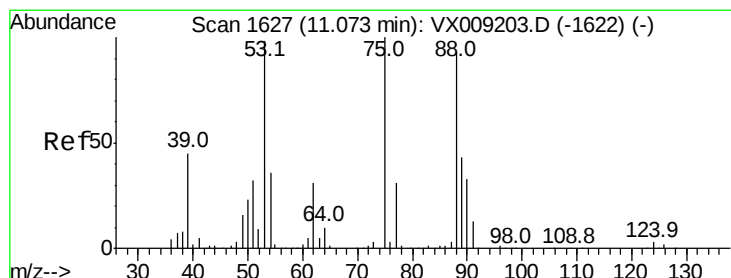
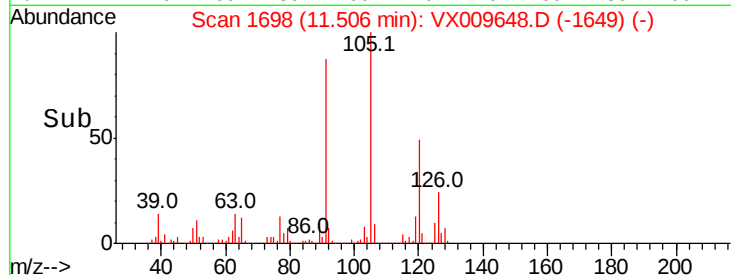
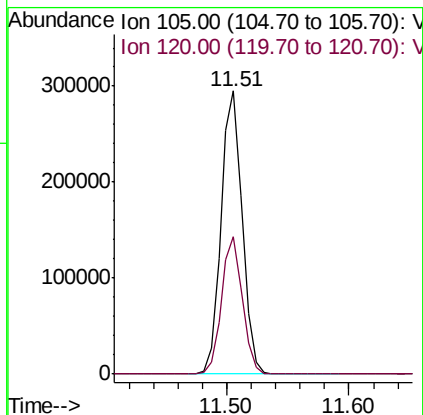
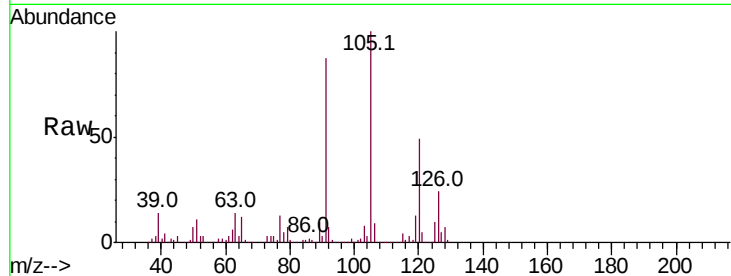
Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.9

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#81

trans-1,4-Dichloro-2-butene

Concen: 43.321 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

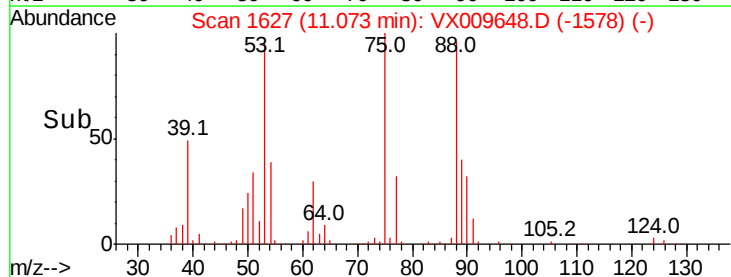
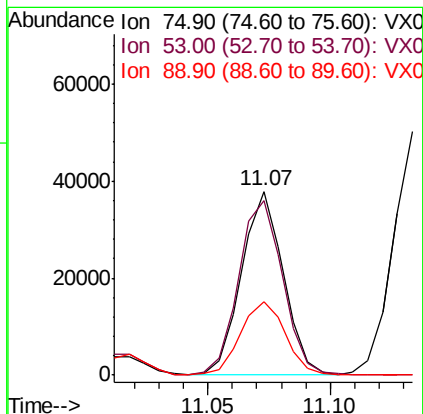
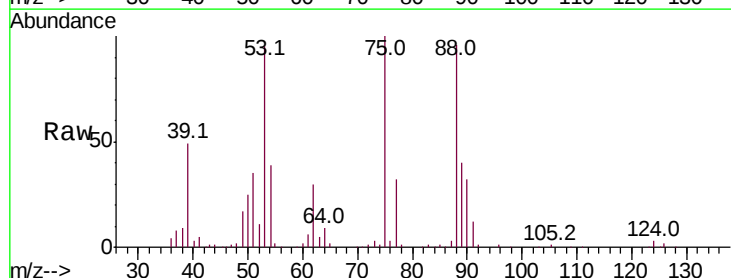
Tgt Ion: 75 Resp: 45296

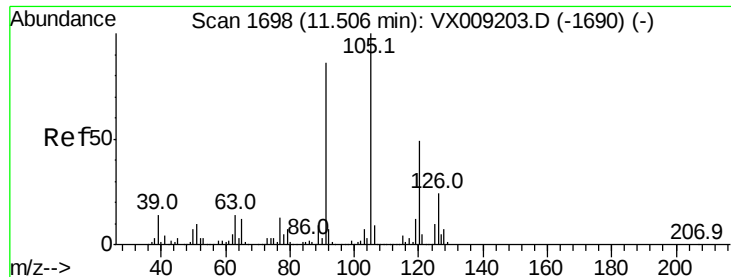
Ion Ratio Lower Upper

75 100

53 99.3 79.0 118.6

89 42.5 34.7 52.1





#82

4-Chlorotoluene

Concen: 49.720 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW749-190514MSD

Tot Ion: 91 Resp: 331921

Ion Ratio Lower Upper

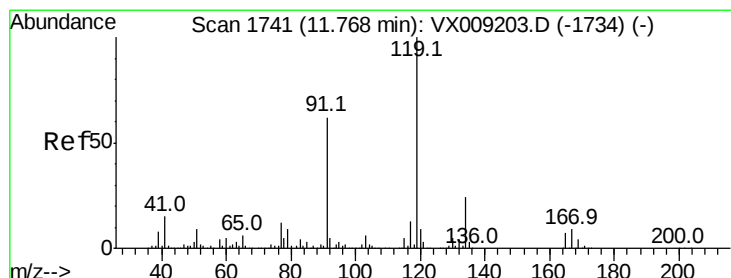
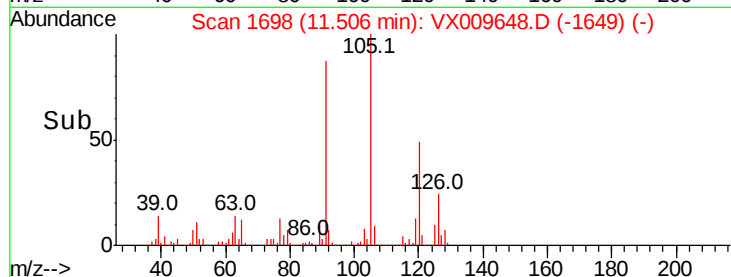
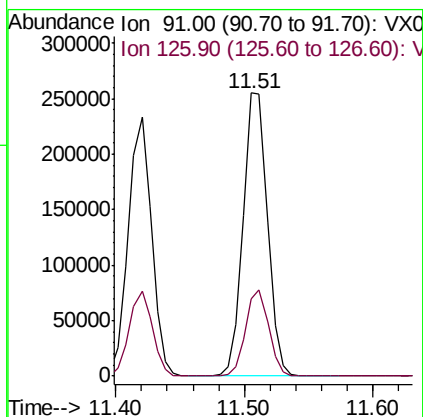
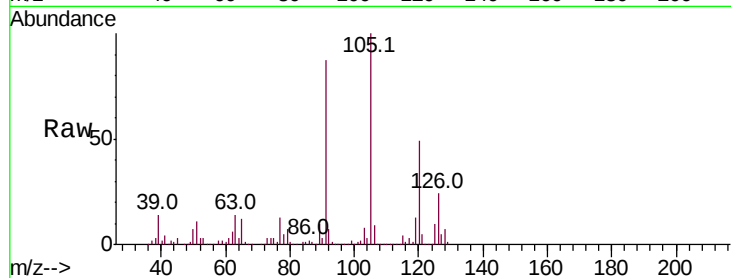
91 100

126 29.1 14.5 43.6

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#83

tert-Butylbenzene

Concen: 50.099 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

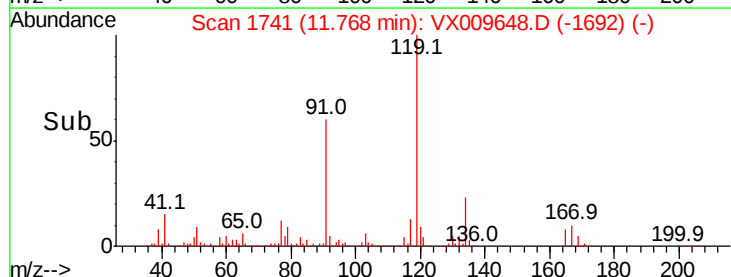
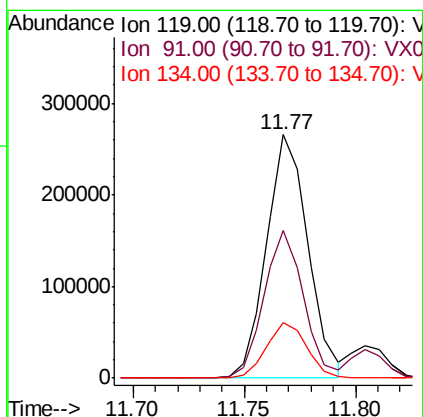
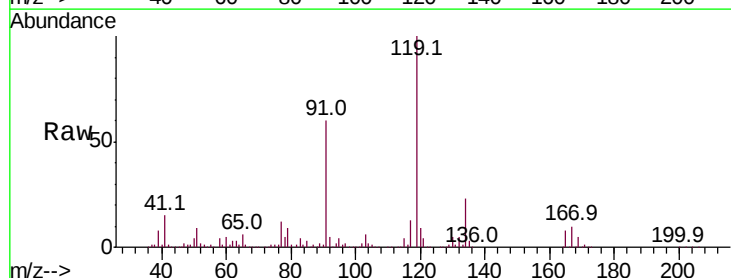
Tgt Ion: 119 Resp: 344165

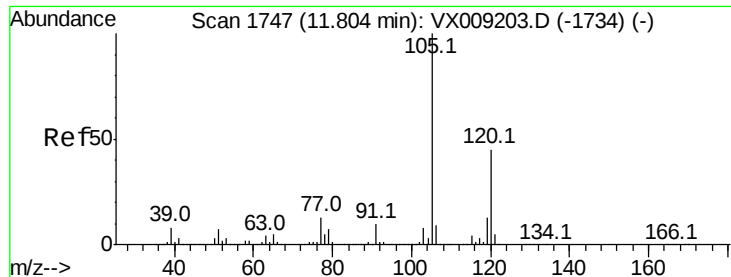
Ion Ratio Lower Upper

119 100

91 57.9 29.5 88.5

134 22.3 11.4 34.1





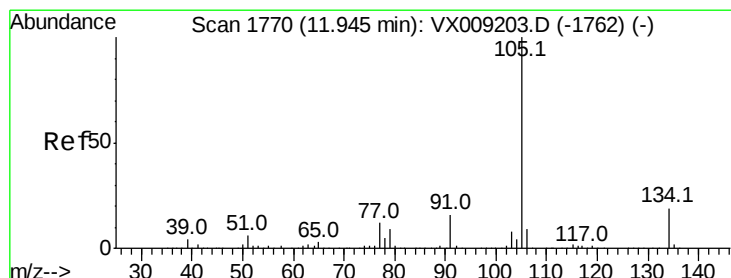
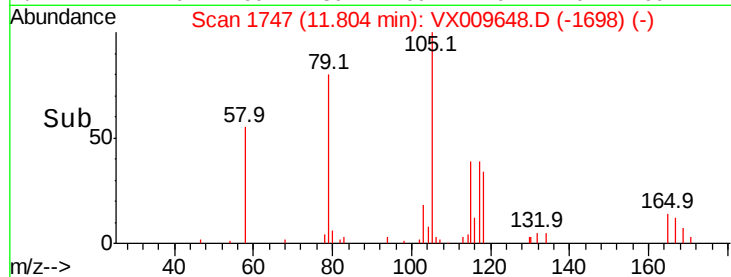
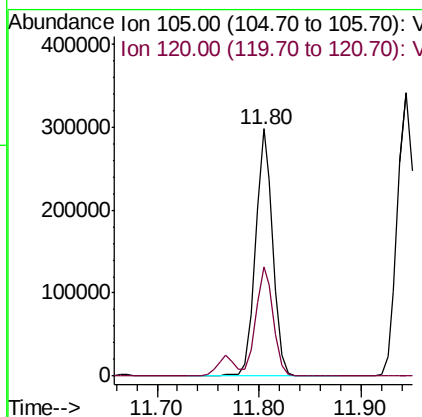
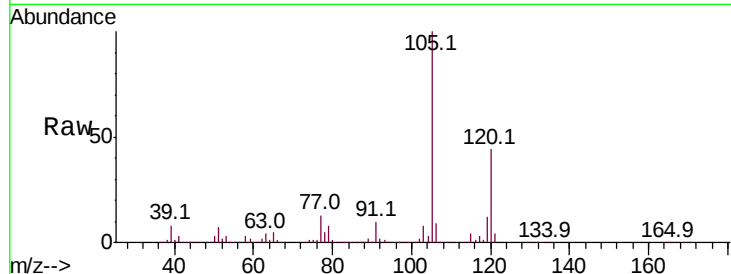
#84
 1,2,4-Trimethylbenzene
 Concen: 49.904 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion:105 Resp: 353731
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.0 66.0

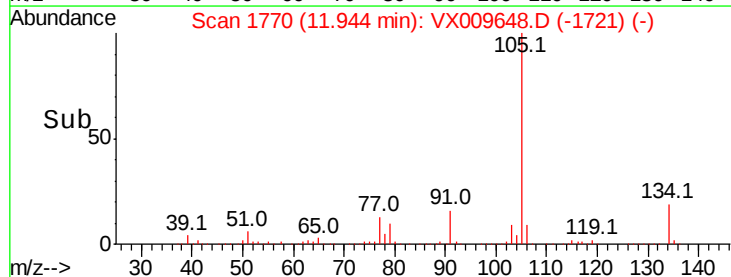
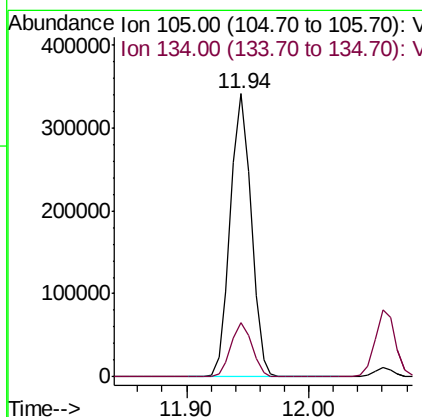
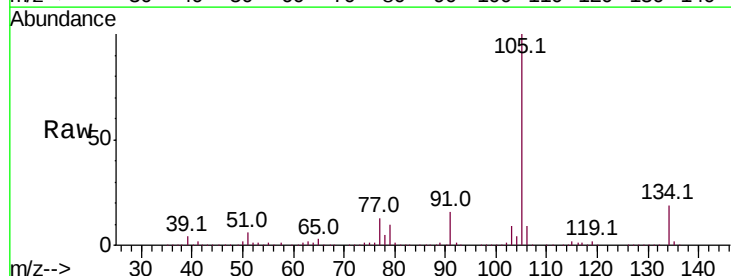
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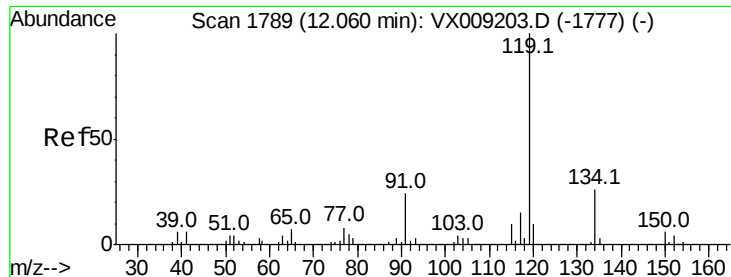
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#85
 sec-Butylbenzene
 Concen: 49.335 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion:105 Resp: 401812
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 28.9





#86

p-Isopropyltoluene

Concen: 49.785 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

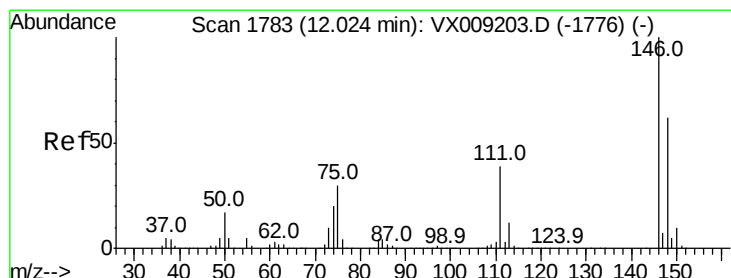
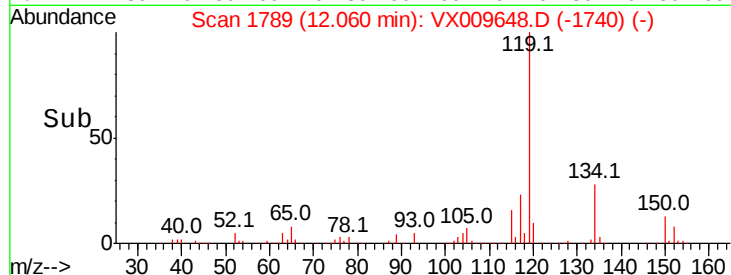
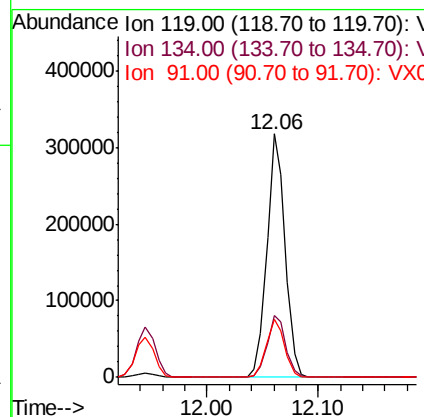
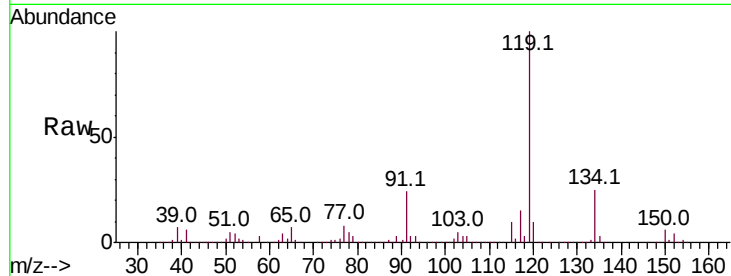
ClientSampleId :

SS052MW749-190514MSD

Tot Ion:	119	Resp:	364519
Ion Ratio	Lower	Upper	
119	100		
134	25.8	12.9	38.7
91	24.1	11.8	35.4

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#87

1,3-Dichlorobenzene

Concen: 49.628 ug/l

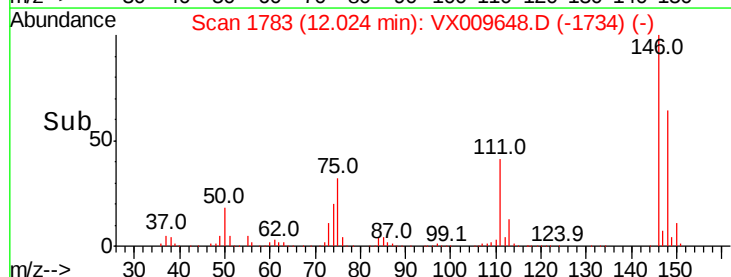
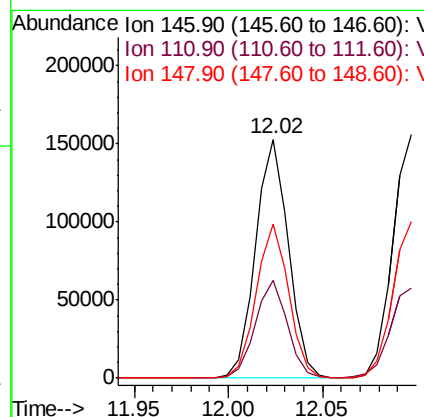
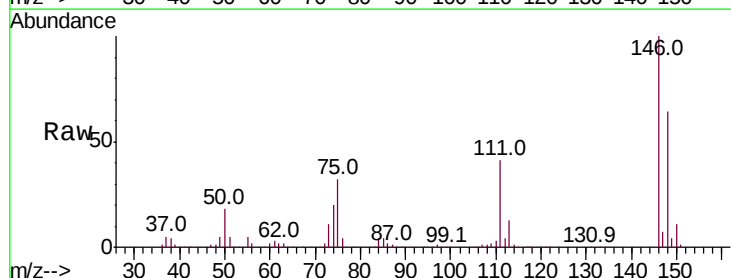
RT: 12.02 min Scan# 1783

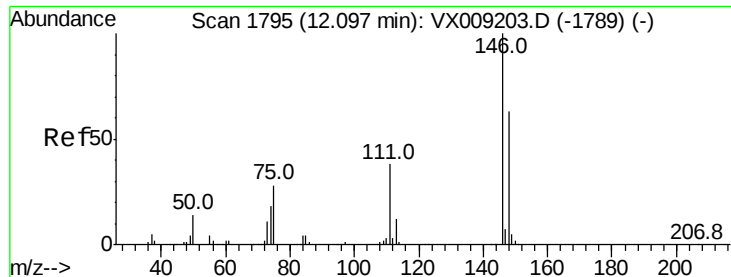
Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Tgt Ion:	146	Resp:	184165
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.0	59.9
148	63.9	31.8	95.3





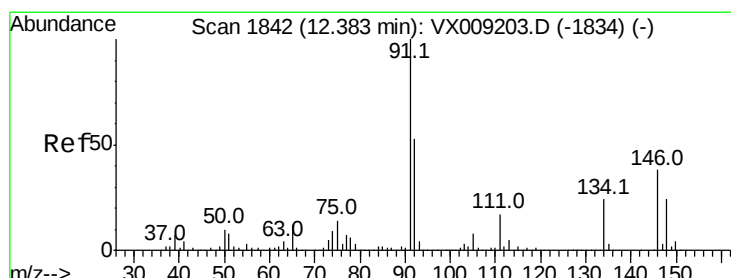
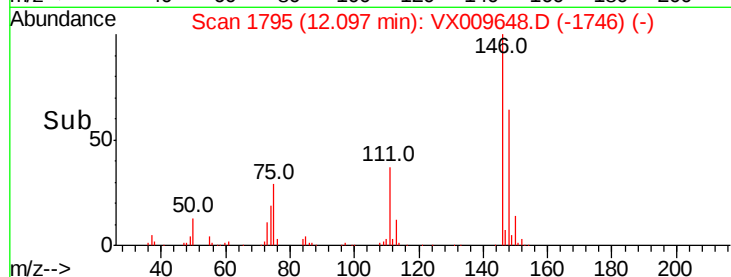
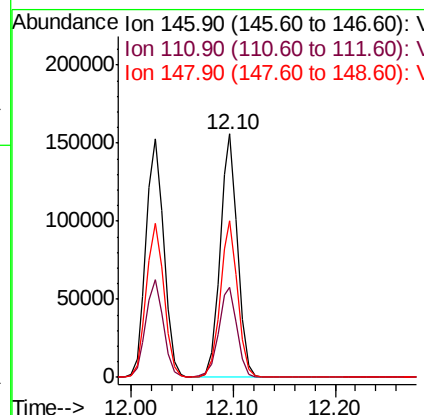
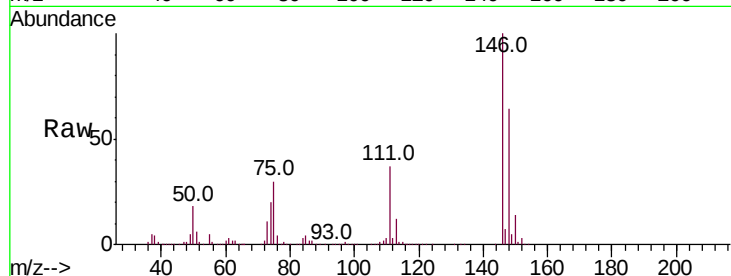
#88
 1,4-Dichlorobenzene
 Concen: 50.137 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	63.7	31.8	95.3

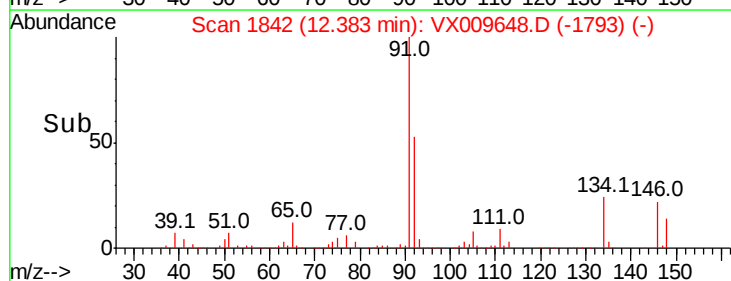
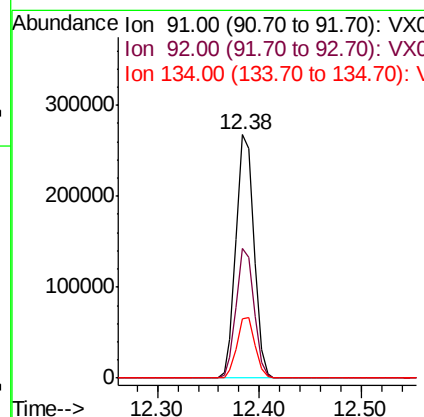
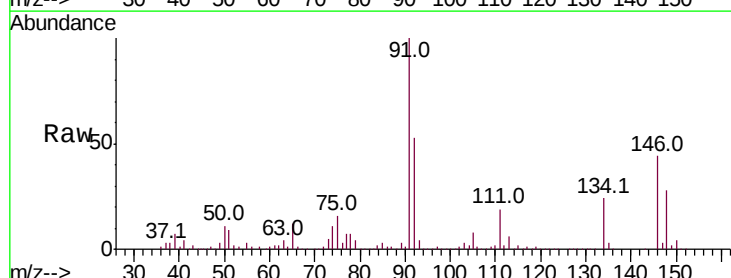
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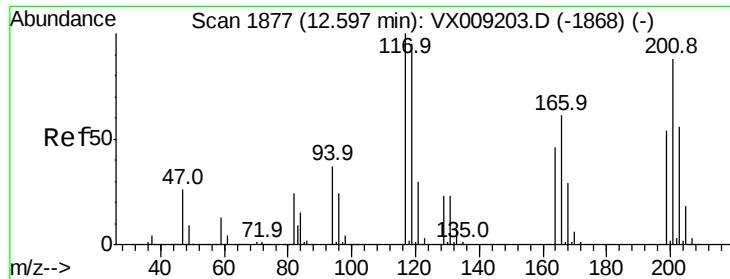
MMDadoda
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#89
 n-Butylbenzene
 Concen: 49.037 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.9	12.4	37.2





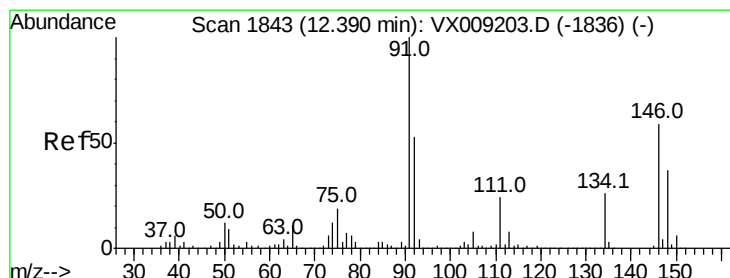
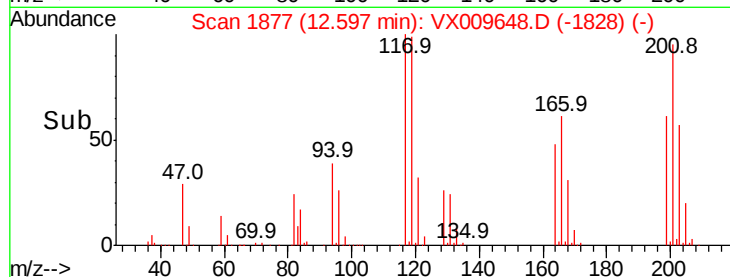
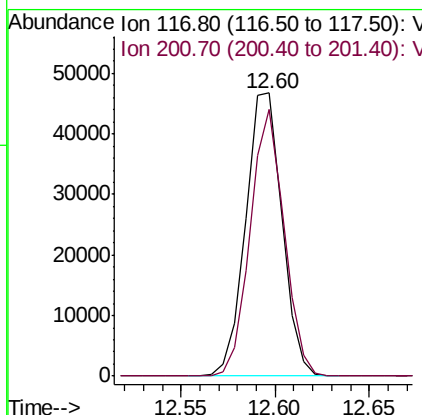
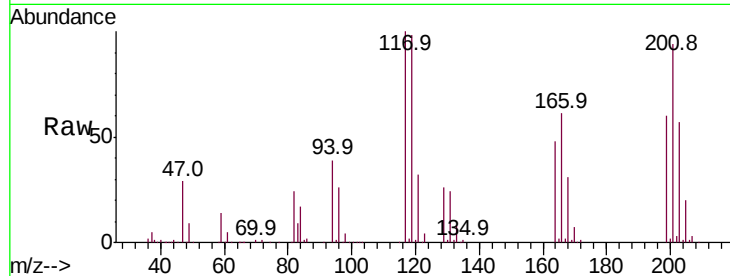
#90
Hexachloroethane
Concen: 50.227 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Instrument :
MSVOA_X
ClientSampleId :
SS052MW749-190514MSD

Tot Ion:117 Resp: 62653
Ion Ratio Lower Upper
117 100
201 87.7 42.3 126.9

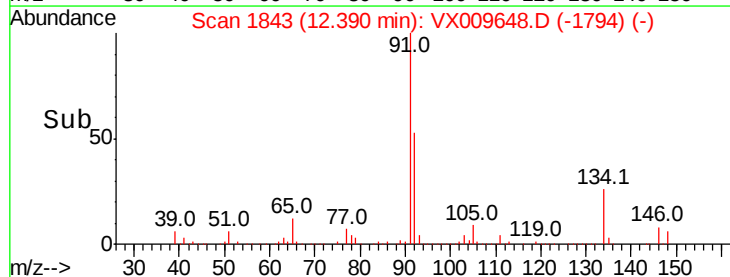
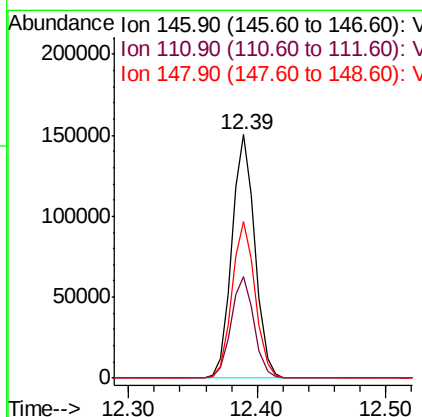
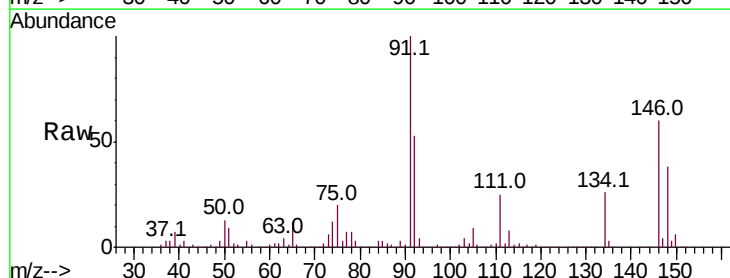
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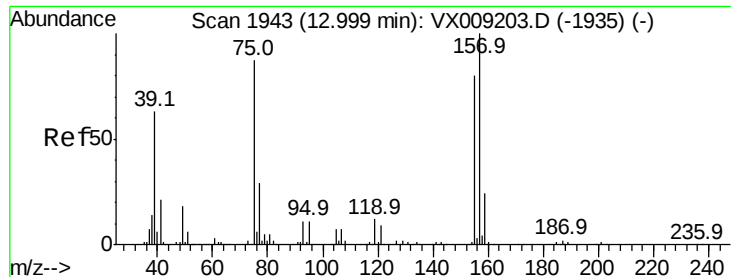
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#91
1,2-Dichlorobenzene
Concen: 49.613 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009648.D
Acq: 17 May 2019 07:57

Tgt Ion:146 Resp: 187523
Ion Ratio Lower Upper
146 100
111 41.5 20.8 62.4
148 64.7 31.9 95.9





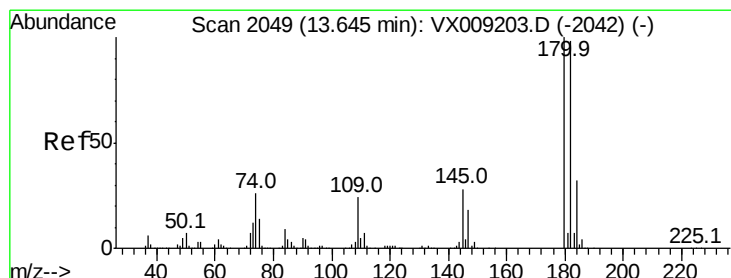
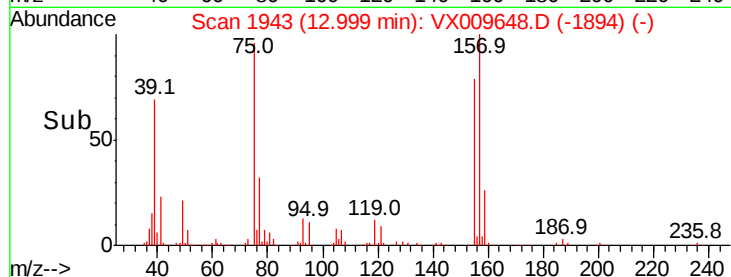
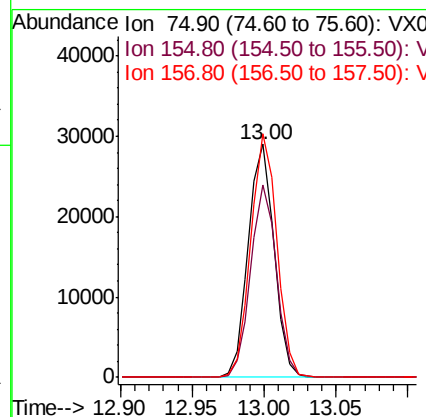
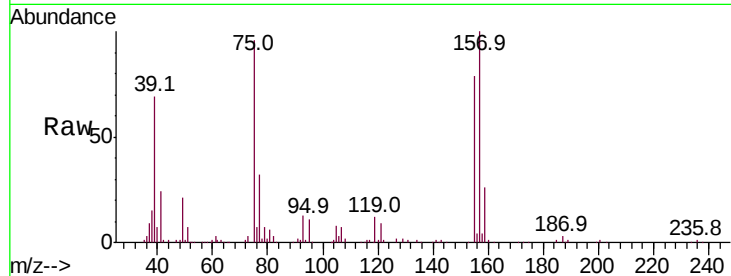
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.458 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.7	42.0	126.0
157	104.6	53.2	159.6

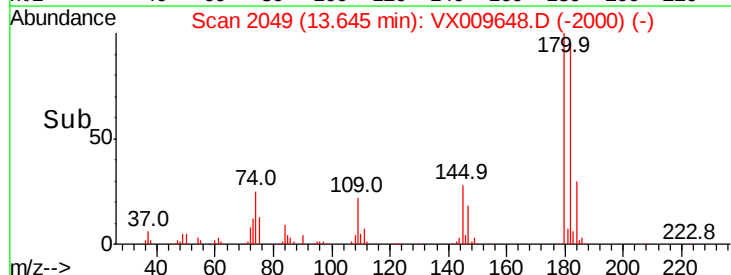
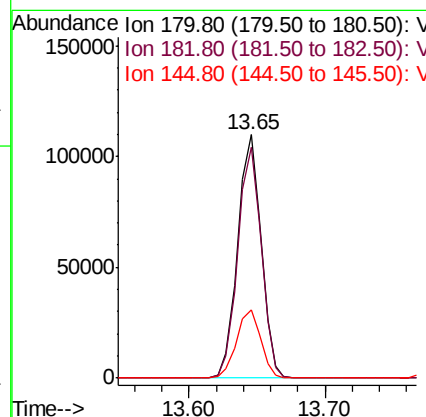
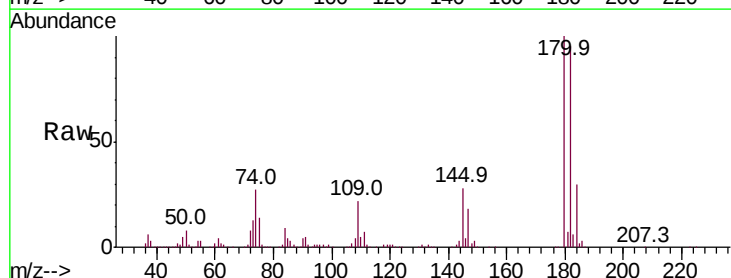
Manual Integrations
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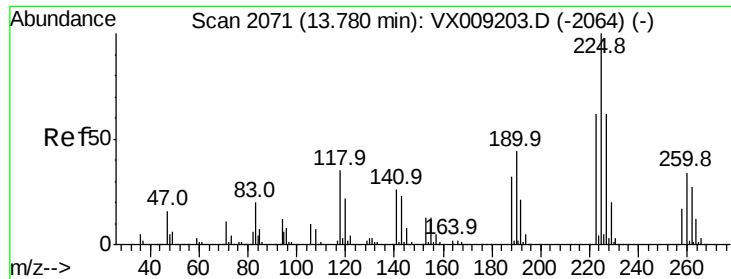
MMDadoda
 5/17/2019 1:21:26 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.002 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.2
145	29.0	14.6	43.8





#94

Hexachlorobutadiene

Concen: 48.461 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009648.D

Acq: 17 May 2019 07:57

Instrument :

MSVOA_X

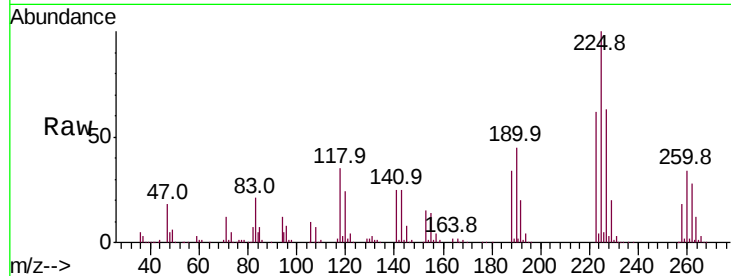
ClientSampleId :

SS052MW749-190514MSD

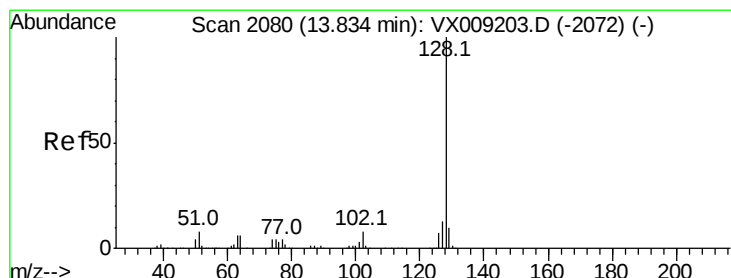
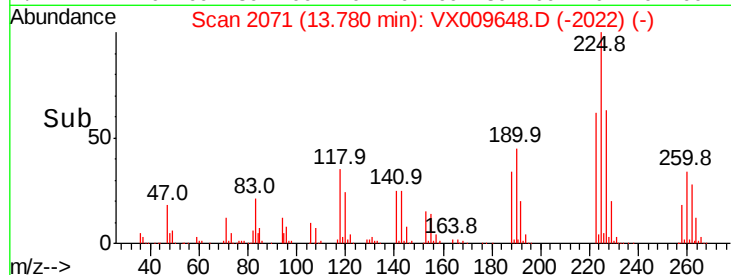
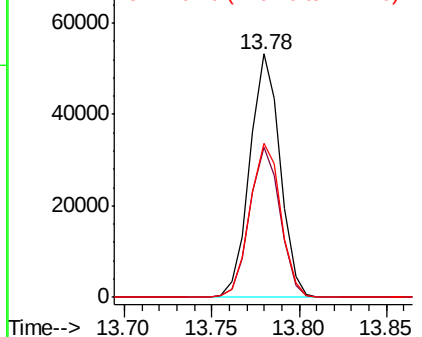
Tot Ion:	225	Resp:	63965
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.3	93.8
227	64.6	31.8	95.3

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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: 51.187 ug/l

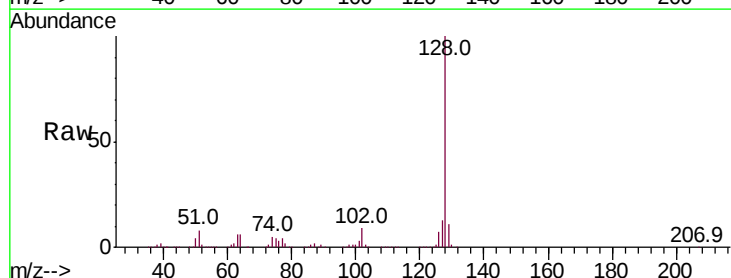
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

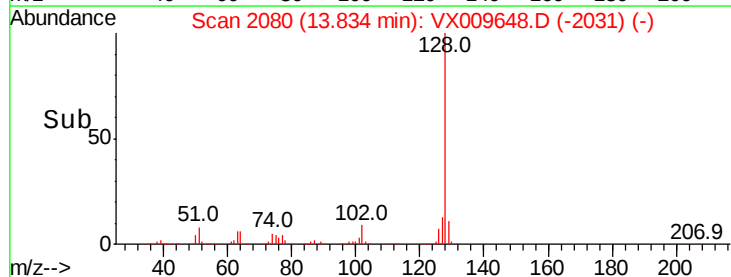
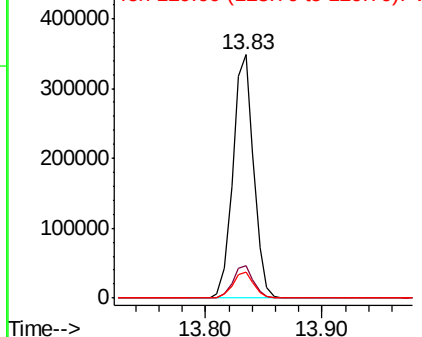
Lab File: VX009648.D

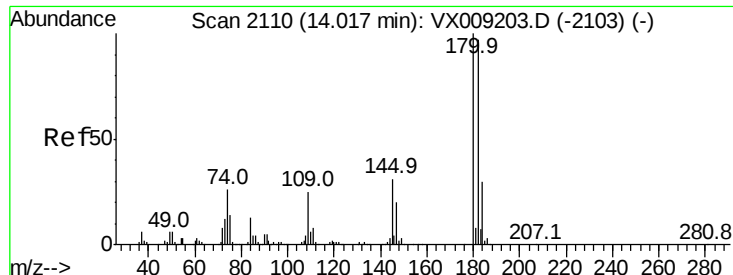
Acq: 17 May 2019 07:57

Tgt Ion:	128	Resp:	430440
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





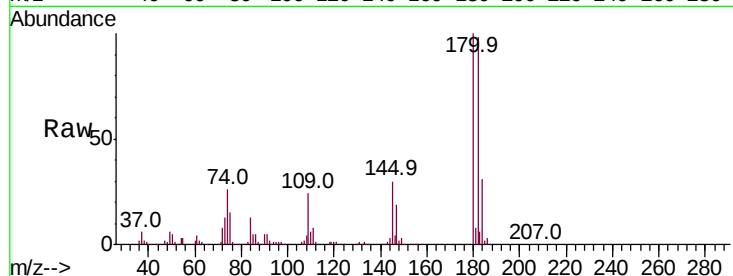
#96
 1,2,3-Trichlorobenzene
 Concen: 50.595 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009648.D
 Acq: 17 May 2019 07:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW749-190514MSD

Tot Ion:	180	Resp:	132561
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.8	143.4
145	30.7	15.4	46.4

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 150000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

