

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072219\
 Data File : VX011043.D
 Acq On : 22 Jul 2019 20:07
 Operator : JC/SP
 Sample : K3921-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:12:18 AM

Quant Time: Jul 23 07:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157726	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	118306	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	5.50	113	104207	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	8.71	98	384676	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	150275	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	111418	50.009	ug/l	99
3) Chloromethane	1.32	50	96807	50.384	ug/l	99
4) Vinyl Chloride	1.41	62	105064	53.609	ug/l	99
5) Bromomethane	1.64	94	51133	46.299	ug/l	96
6) Chloroethane	1.71	64	64757	51.995	ug/l	97
7) Trichlorofluoromethane	1.93	101	176008	53.055	ug/l	100
8) Diethyl Ether	2.19	74	60118	52.596	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	95032	50.170	ug/l	99
10) Methyl Iodide	2.51	142	131784	53.016	ug/l	99
11) Tert butyl alcohol	3.05	59	126057	243.509	ug/l	98
12) 1,1-Dichloroethene	2.37	96	98811	53.093	ug/l	98
13) Acrolein	2.29	56	75815	253.485	ug/l	100
14) Allyl chloride	2.73	41	143930	53.243	ug/l	98
15) Acrylonitrile	3.14	53	287899	275.226	ug/l	99
16) Acetone	2.45	43	242773	241.825	ug/l	97
17) Carbon Disulfide	2.57	76	227522	47.659	ug/l	100
18) Methyl Acetate	2.78	43	116254	50.856	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	334939	55.905	ug/l	98
20) Methylene Chloride	2.85	84	110264	51.827	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	103107	52.214	ug/l	96
22) Diisopropyl ether	3.86	45	310633	54.484	ug/l #	88
23) Vinyl Acetate	3.81	43	1225050	253.594	ug/l	99
24) 1,1-Dichloroethane	3.70	63	178013	53.762	ug/l	100
25) 2-Butanone	4.67	43	393703	273.193	ug/l	99
26) 2,2-Dichloropropane	4.58	77	124281	45.713	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122404	53.560	ug/l	98
28) Bromochloromethane	5.02	49	81999	52.553	ug/l	99
29) Tetrahydrofuran	5.13	42	253999	278.245	ug/l	100
30) Chloroform	5.21	83	195129	54.522	ug/l	99
31) Cyclohexane	5.58	56	148487	49.200	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	171339	55.336	ug/l	100
36) 1,1-Dichloropropene	5.80	75	135215	51.003	ug/l	100
37) Ethyl Acetate	4.83	43	136087	50.130	ug/l	99
38) Carbon Tetrachloride	5.79	117	147497	53.391	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	159357	46.352	ug/l	99
40) Benzene	6.14	78	421366	51.886	ug/l	100
41) Methacrylonitrile	5.04	41	83130	53.943	ug/l	96
42) 1,2-Dichloroethane	6.19	62	151562	53.676	ug/l	99
43) Isopropyl Acetate	6.45	43	230087	51.546	ug/l	99
44) Trichloroethene	7.21	130	122405	50.921	ug/l	94
45) 1,2-Dichloropropane	7.51	63	107028	51.781	ug/l	99
46) Dibromomethane	7.66	93	79468	53.805	ug/l	99
47) Bromodichloromethane	7.90	83	145352	55.285	ug/l	100
48) Methyl methacrylate	7.77	41	118598	54.540	ug/l	98
49) 1,4-Dioxane	7.74	88	56325	925.996	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	808924	279.559	ug/l	100
52) Toluene	8.78	92	273840	51.330	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	152996	54.120	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	166520	52.936	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	117771	53.615	ug/l	97
56) Ethyl methacrylate	9.18	69	181745	56.563	ug/l	99
57) 1,3-Dichloropropane	9.37	76	186441	53.503	ug/l	100
59) 2-Hexanone	9.49	43	640251	285.278	ug/l	99
60) Dibromochloromethane	9.58	129	128093	50.635	ug/l	99
61) 1,2-Dibromoethane	9.67	107	126456	54.245	ug/l	100
64) Tetrachloroethene	9.34	164	115912	49.462	ug/l	98
65) Chlorobenzene	10.13	112	313476	51.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	117201	54.503	ug/l	99
67) Ethyl Benzene	10.25	91	544130	52.248	ug/l	100
68) m/p-Xylenes	10.36	106	419740	105.069	ug/l	100
69) o-Xylene	10.69	106	204596	52.477	ug/l	98
70) Stvrene	10.71	104	357384	54.988	ug/l	99
71) Bromoform	10.85	173	97216	49.670	ug/l #	100
73) Isopropylbenzene	11.02	105	551367	51.735	ug/l	100
74) N-amyl acetate	10.90	43	206364	50.677	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	187485	53.755	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	158184m	55.576	ug/l	
77) Bromobenzene	11.26	156	153142	52.094	ug/l	100
78) n-propylbenzene	11.36	91	618019	52.483	ug/l	100
79) 2-Chlorotoluene	11.42	91	371617	52.533	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	469393	52.709	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52131	46.690	ug/l	97
82) 4-Chlorotoluene	11.51	91	435663	52.915	ug/l	98
83) tert-Butylbenzene	11.77	119	466625	53.345	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	475890	53.019	ug/l	100
85) sec-Butylbenzene	11.94	105	544731	53.146	ug/l	99
86) p-Isopropyltoluene	12.06	119	506761	53.480	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	272269	53.369	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	269820	51.569	ug/l	99
89) n-Butylbenzene	12.38	91	434267	53.569	ug/l	100
90) Hexachloroethane	12.60	117	79752	53.361	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	268726	53.149	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41934	57.519	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	184303	53.786	ug/l	99

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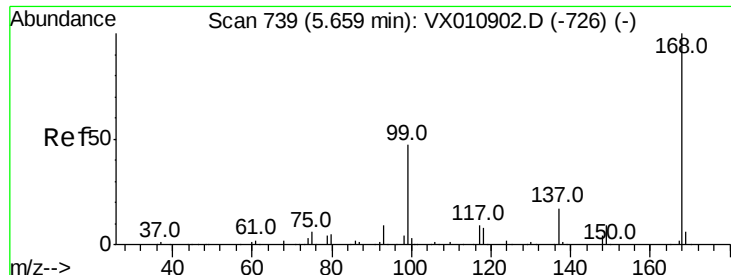
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	84601	49.823	ug/l	98
95) Naphthalene	13.83	128	582948	57.612	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	186339	54.654	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. 0.01 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion:168 Resp: 208939

Ion Ratio Lower Upper

168 100

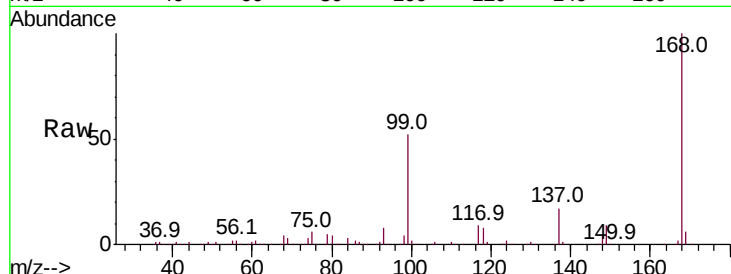
99 51.6 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

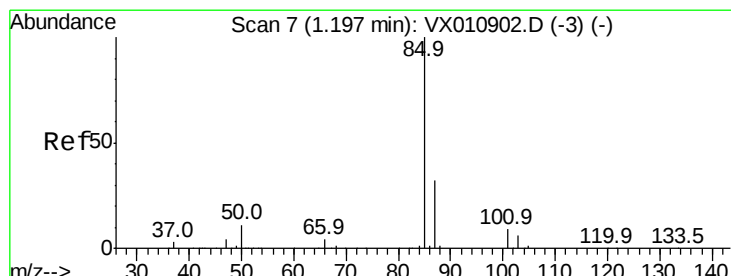
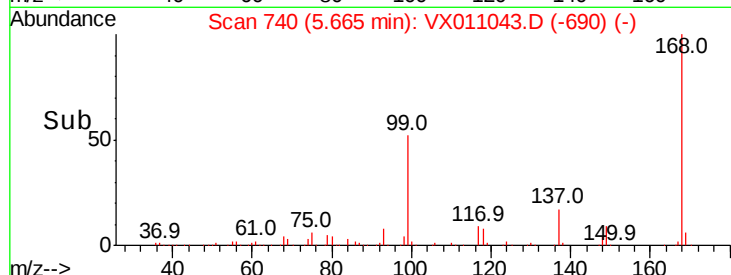
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.009 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011043.D

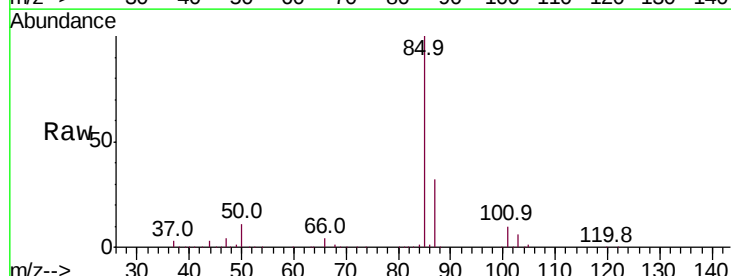
Acq: 22 Jul 2019 20:07

Tgt Ion: 85 Resp: 111418

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

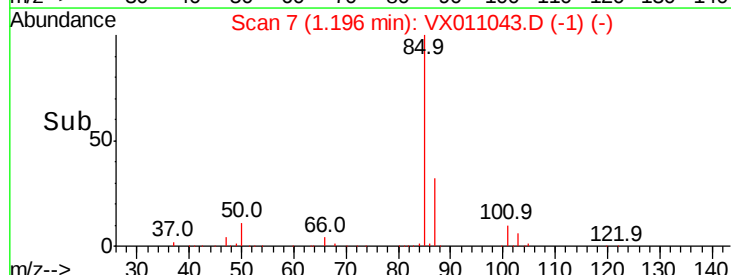
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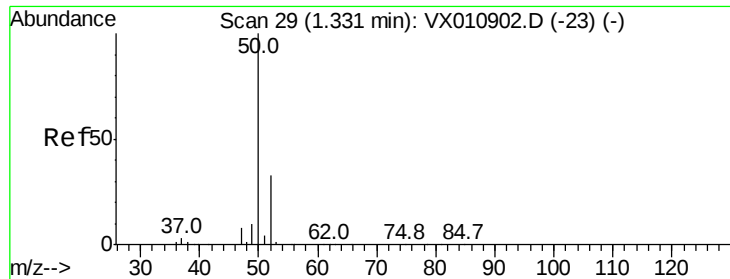
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 50.384 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 50 Resp: 96807

Ion Ratio Lower Upper

50 100

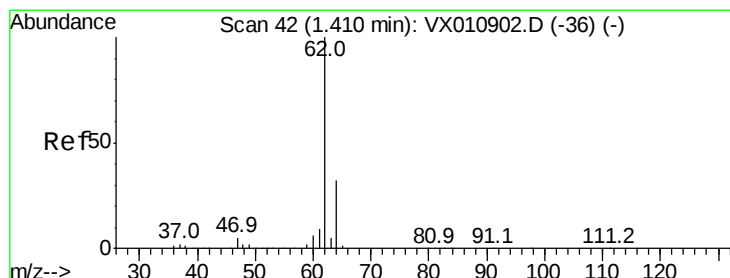
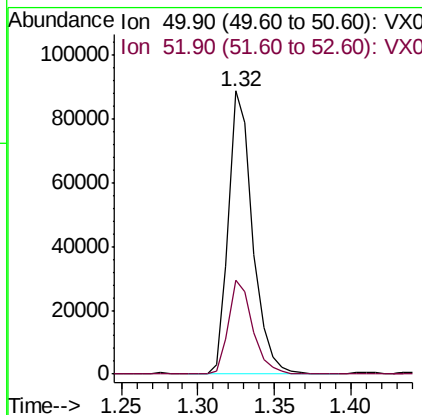
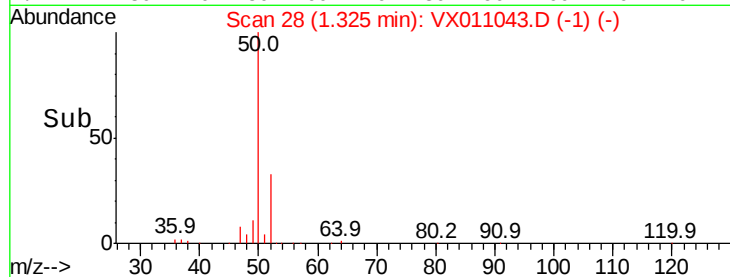
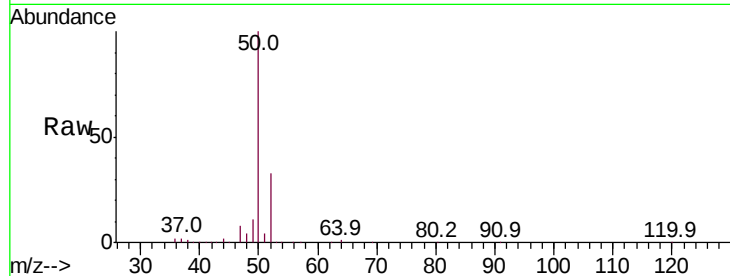
52 33.4 26.4 39.6

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#4

Vinyl Chloride

Concen: 53.609 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011043.D

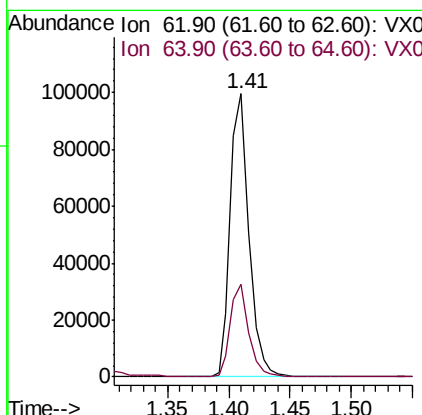
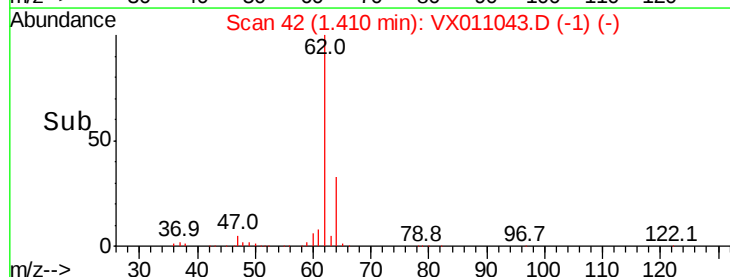
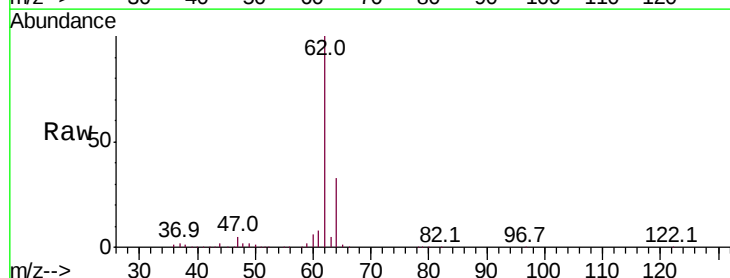
Acq: 22 Jul 2019 20:07

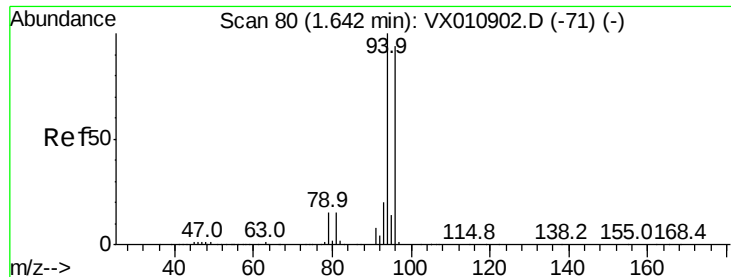
Tgt Ion: 62 Resp: 105064

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 46.299 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

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ClientSampleId :

SU19-MSW0620MS

Tot Ion: 94 Resp: 51133

Ion Ratio Lower Upper

94 100

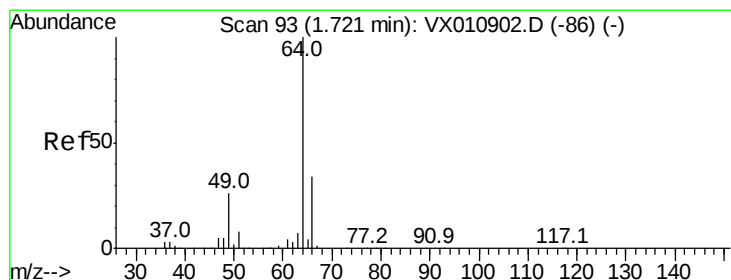
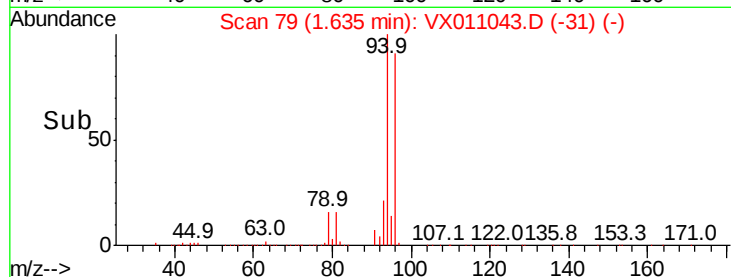
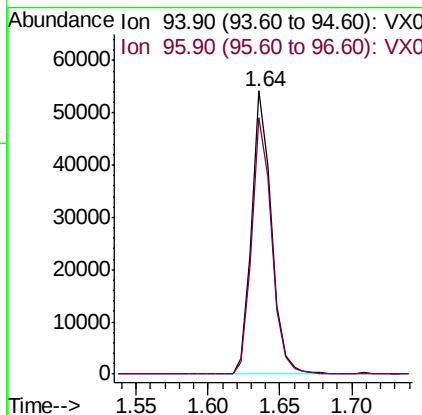
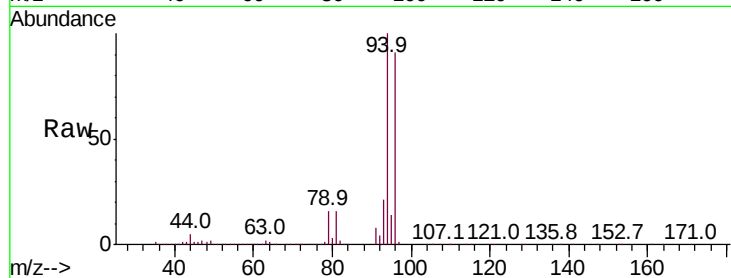
96 90.7 75.6 113.4

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#6

Chloroethane

Concen: 51.995 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011043.D

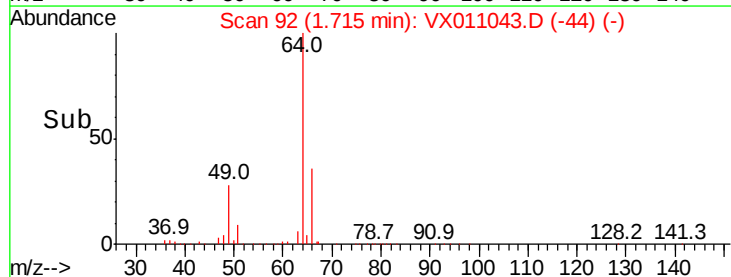
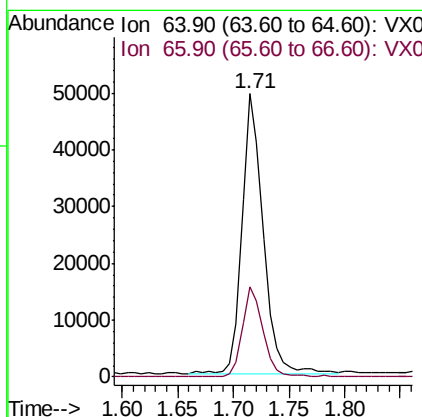
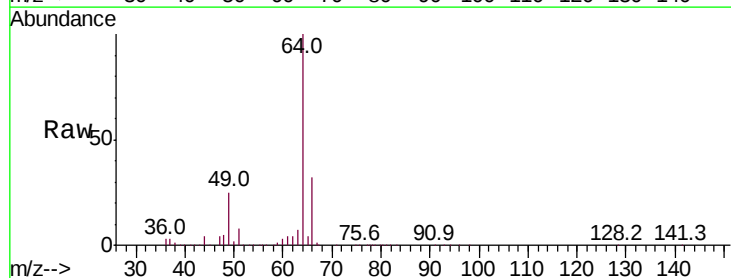
Acq: 22 Jul 2019 20:07

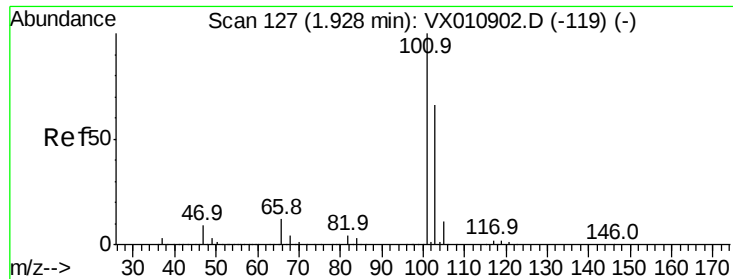
Tgt Ion: 64 Resp: 64757

Ion Ratio Lower Upper

64 100

66 31.9 27.0 40.6





#7

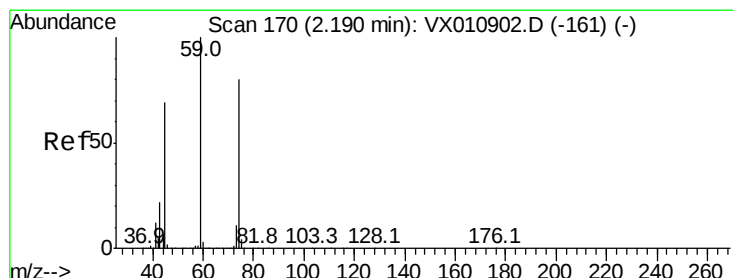
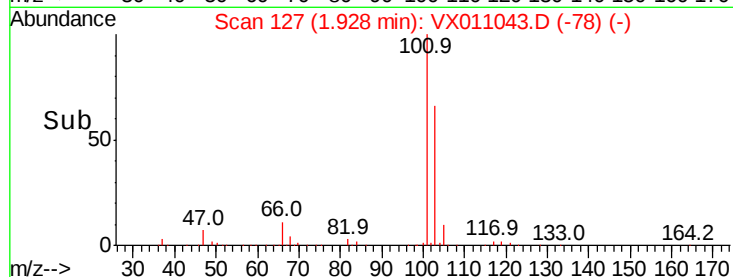
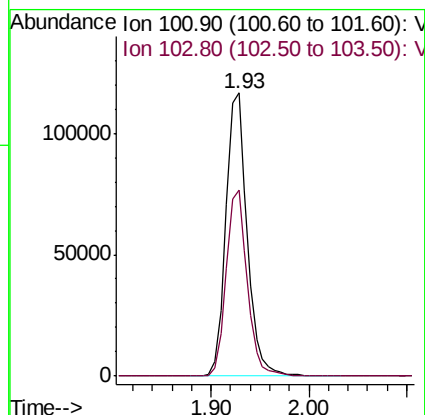
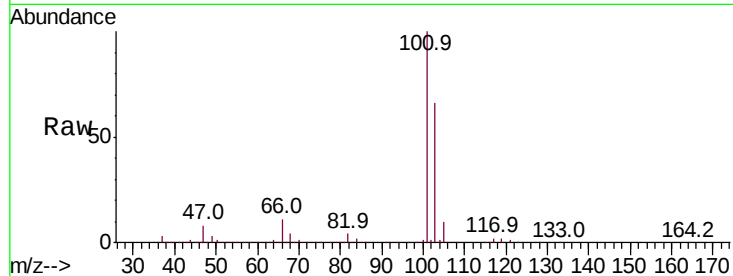
Trichlorofluoromethane
Concen: 53.055 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion:101 Resp: 176008
Ion Ratio Lower Upper
101 100
103 65.5 52.6 78.8

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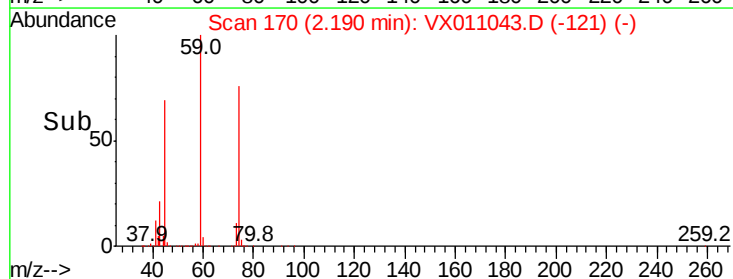
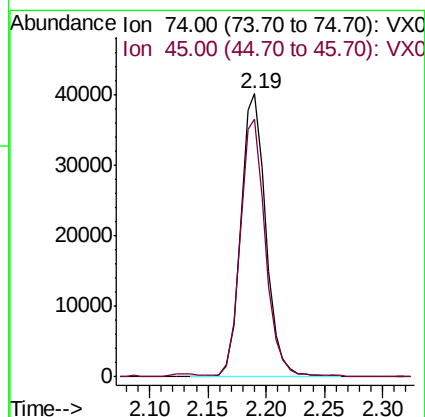
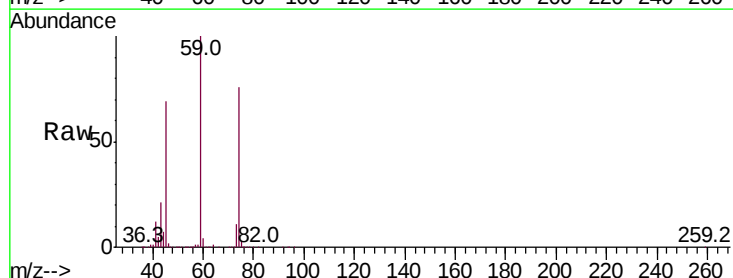
MMDadoda
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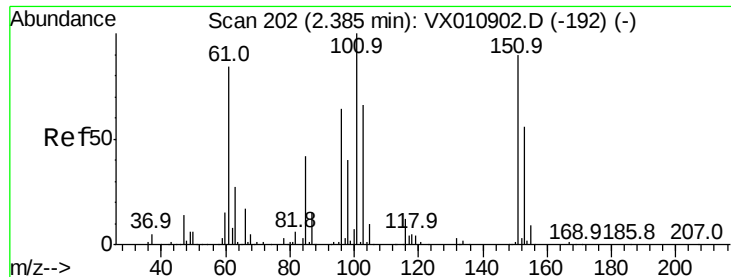


#8

Diethyl Ether
Concen: 52.596 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion: 74 Resp: 60118
Ion Ratio Lower Upper
74 100
45 89.9 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.170 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion:101 Resp: 95032

Ion Ratio Lower Upper

101 100

85 43.5 34.6 52.0

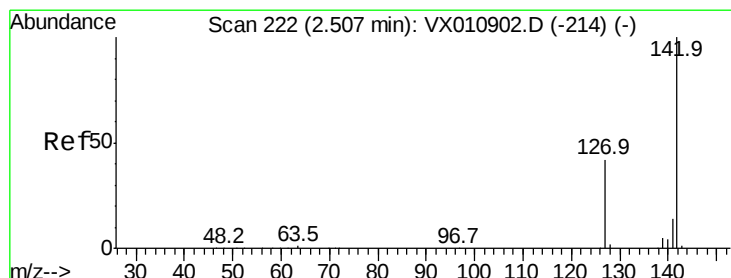
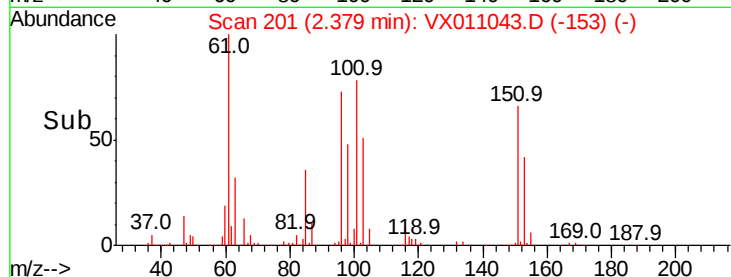
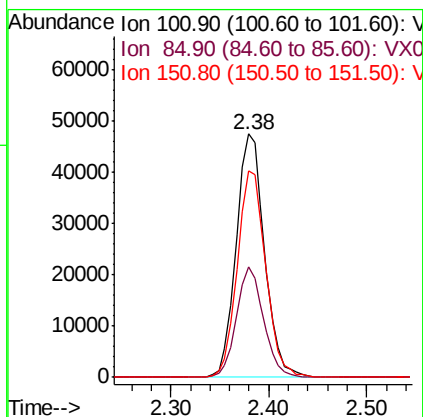
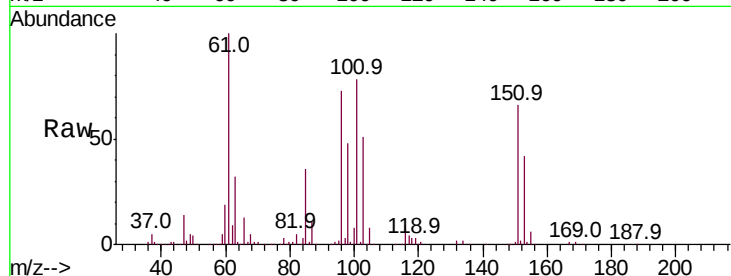
151 85.4 69.6 104.4

Manual Integrations

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#10

Methyl Iodide

Concen: 53.016 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

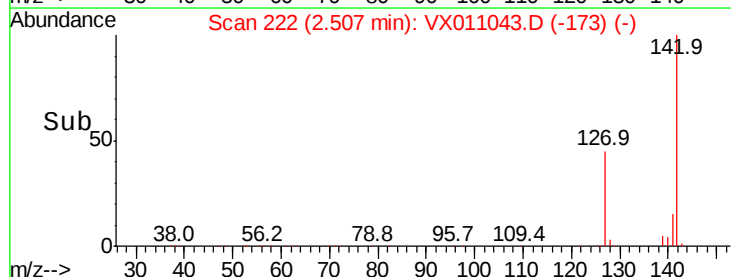
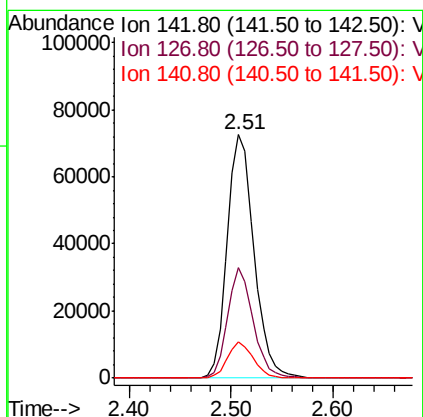
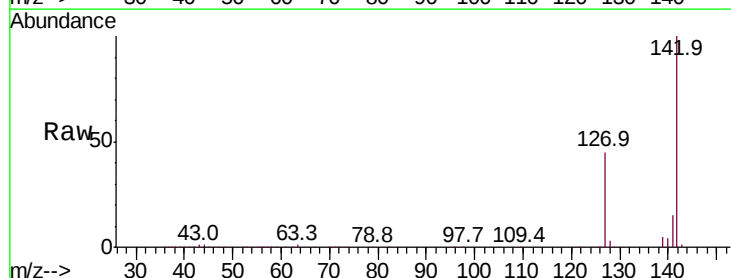
Tgt Ion:142 Resp: 131784

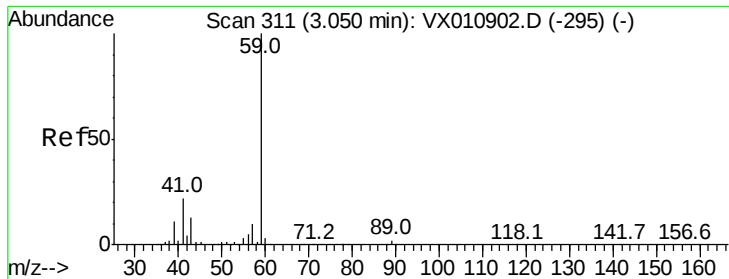
Ion Ratio Lower Upper

142 100

127 43.2 34.2 51.4

141 14.4 11.7 17.5





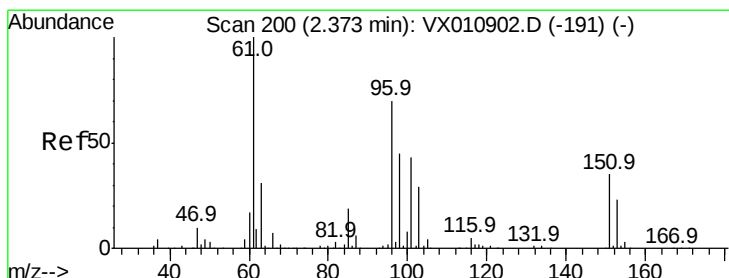
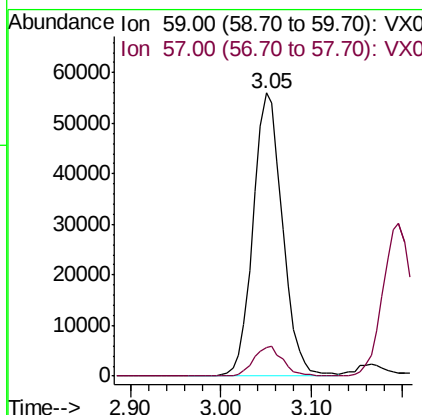
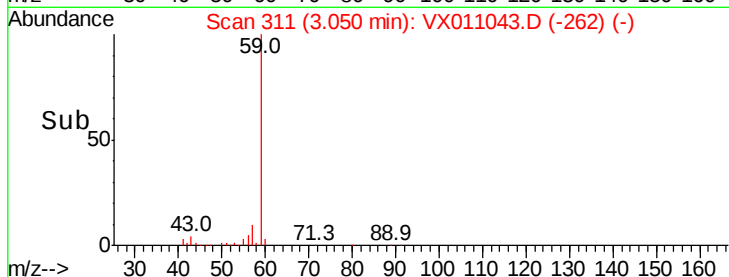
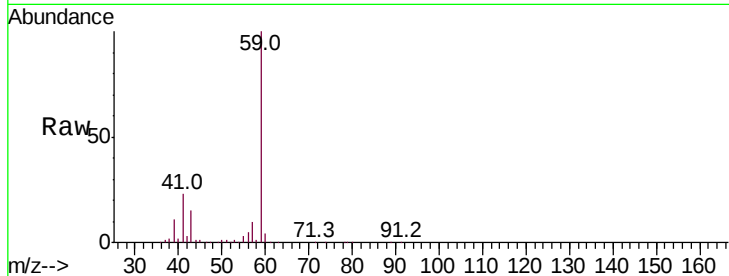
#11
Tert butyl alcohol
Concen: 243.509 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion: 59 Resp: 126057
Ion Ratio Lower Upper
59 100
57 10.5 7.9 11.9

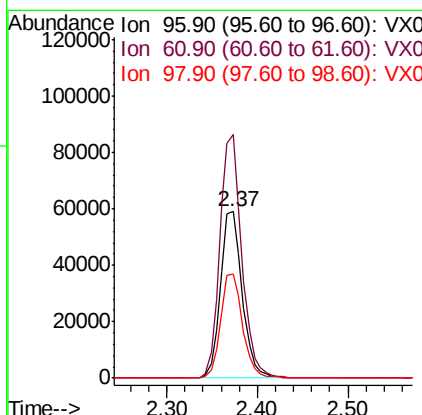
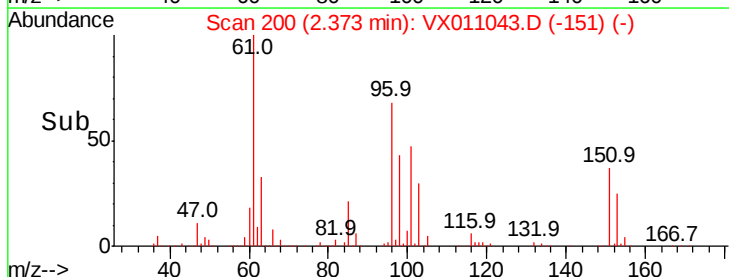
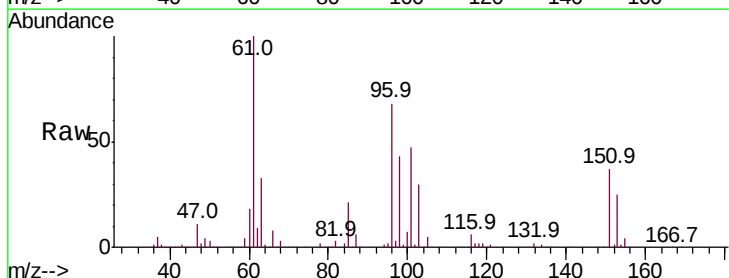
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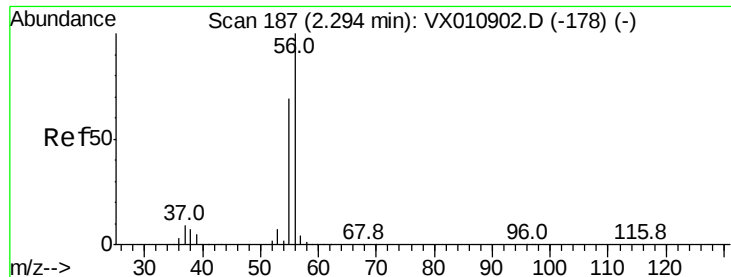
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#12
1,1-Dichloroethene
Concen: 53.093 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion: 96 Resp: 98811
Ion Ratio Lower Upper
96 100
61 146.3 115.0 172.4
98 62.8 52.2 78.2





#13

Acrolein

Concen: 253.485 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 56 Resp: 75815

Ion Ratio Lower Upper

56 100

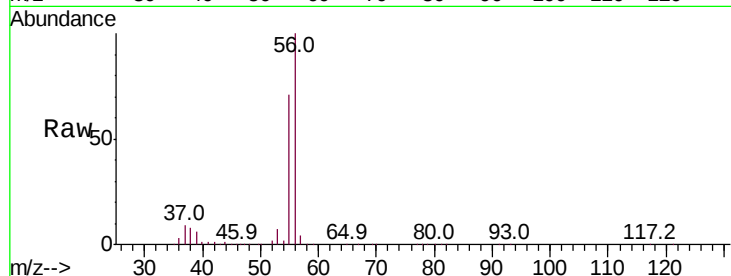
55 70.2 55.9 83.9

Manual Integrations

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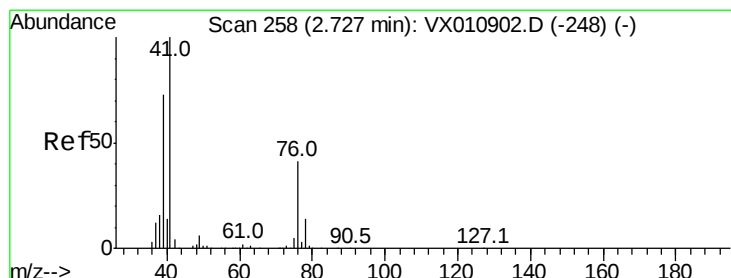
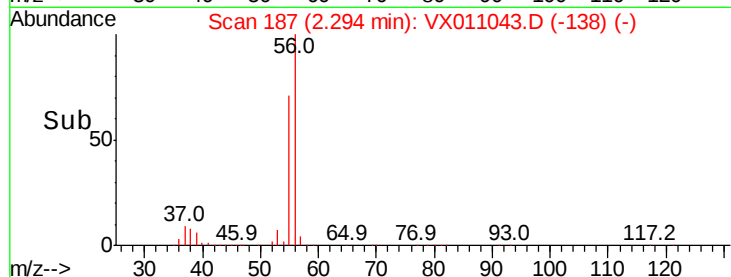
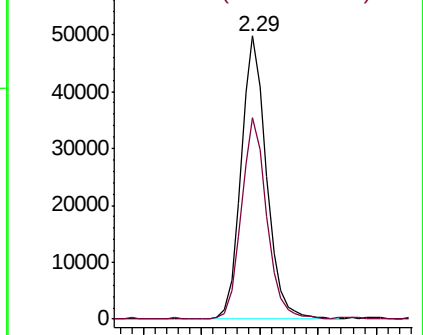
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.243 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

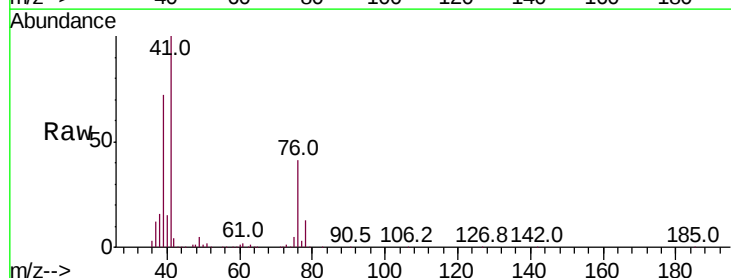
Tgt Ion: 41 Resp: 143930

Ion Ratio Lower Upper

41 100

39 69.0 53.6 80.4

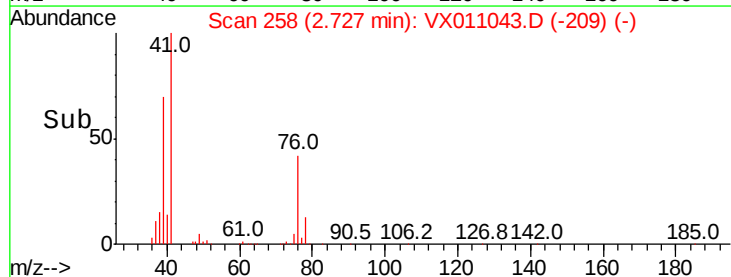
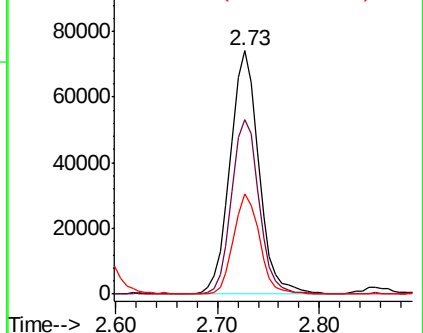
76 37.2 29.7 44.5

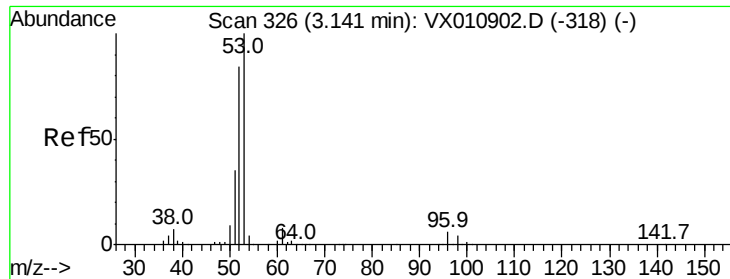


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





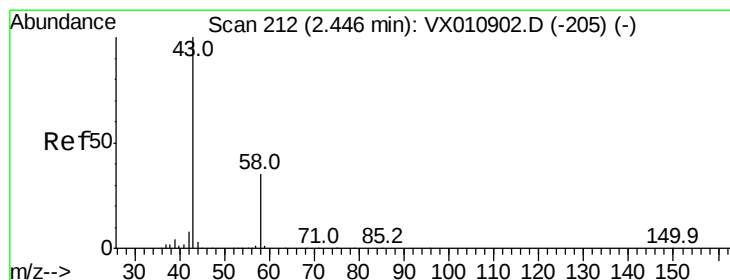
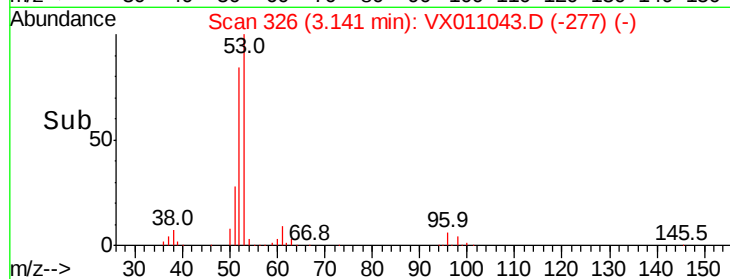
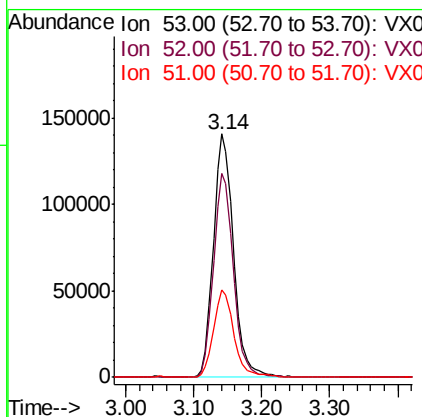
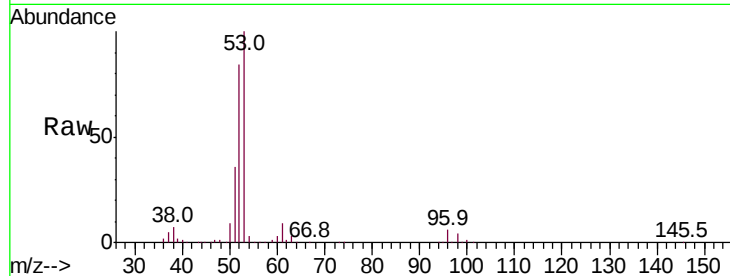
#15
 Acrylonitrile
 Concen: 275.226 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleID :
 SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	36.4	28.2	42.4

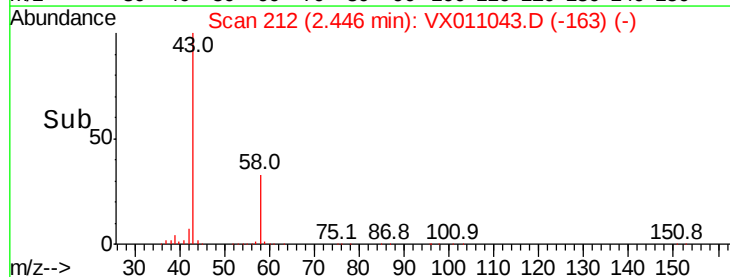
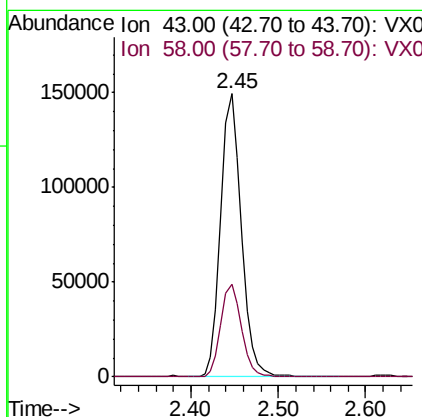
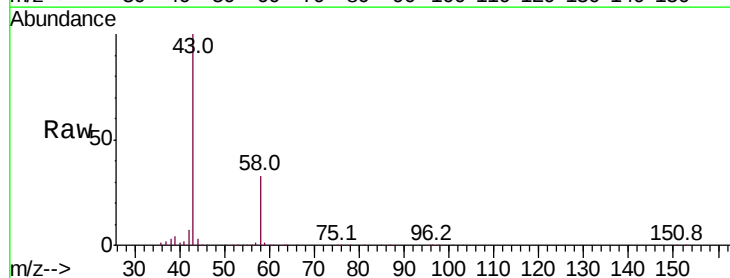
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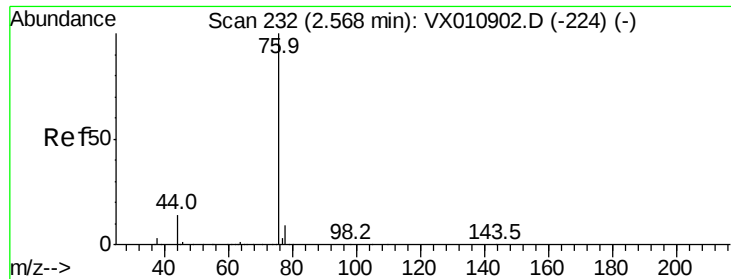
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#16
 Acetone
 Concen: 241.825 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.7	41.5





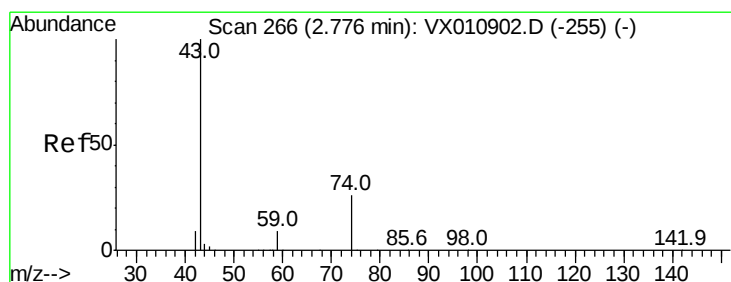
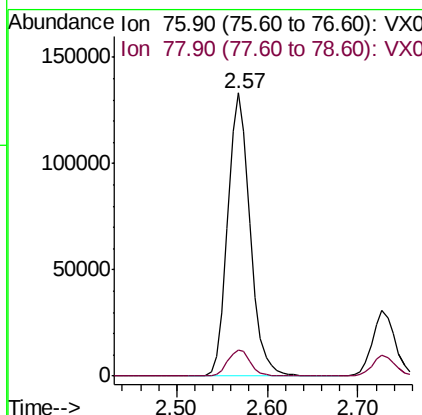
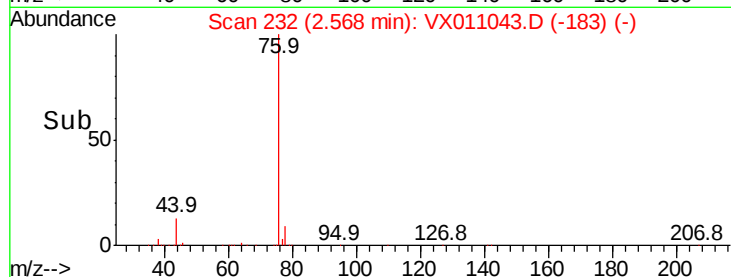
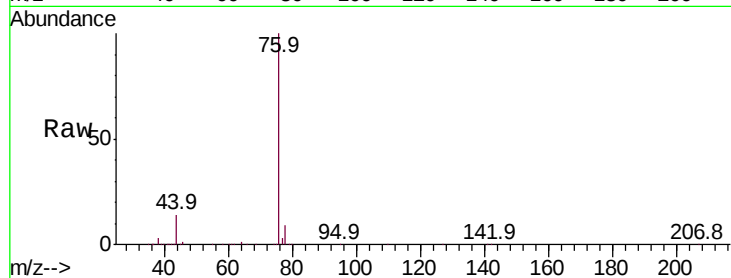
#17
Carbon Disulfide
Concen: 47.659 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

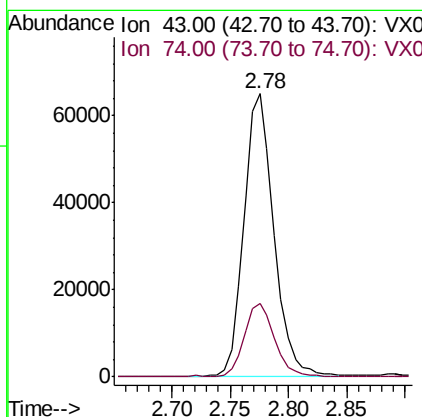
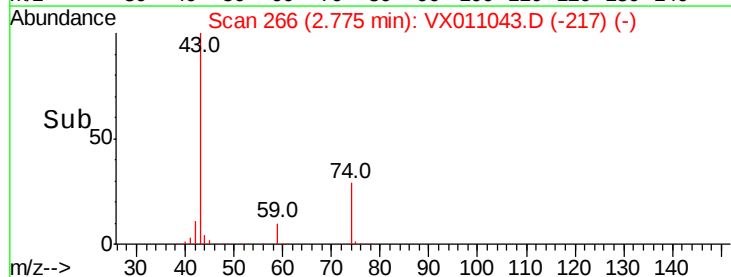
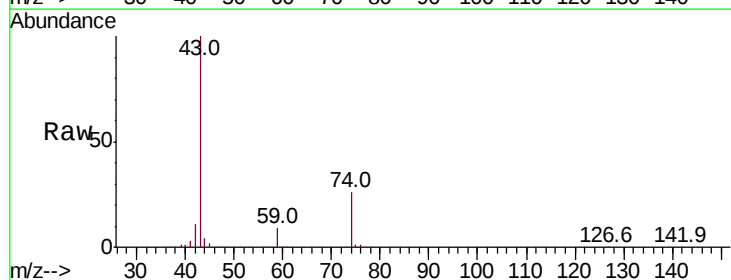
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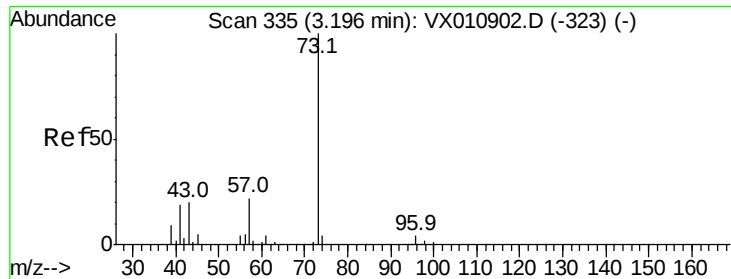
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#18
Methyl Acetate
Concen: 50.856 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.5	32.3





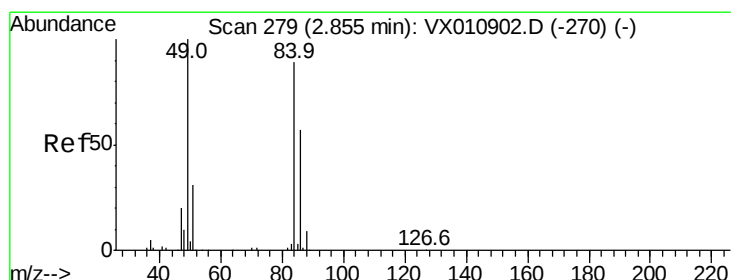
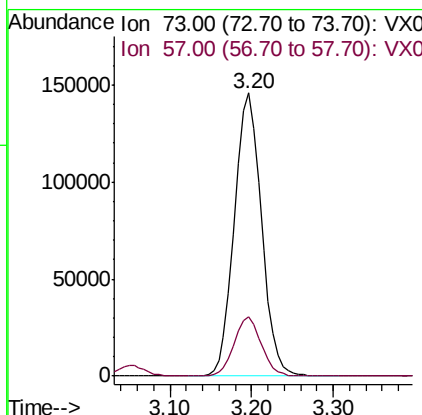
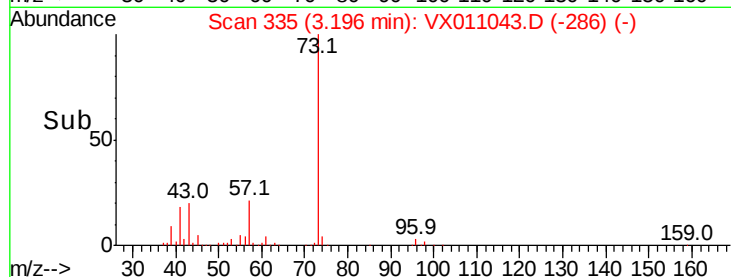
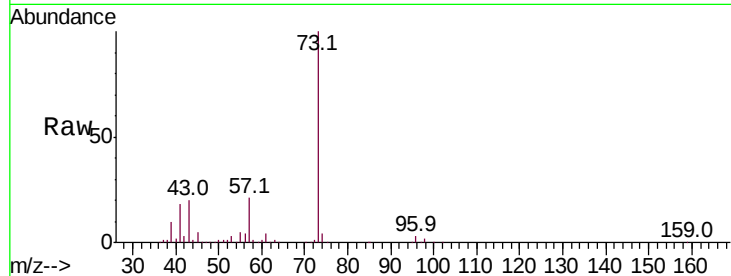
#19
Methyl tert-butyl Ether
Concen: 55.905 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.3	25.9

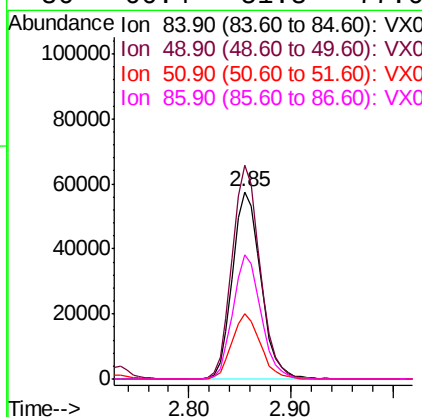
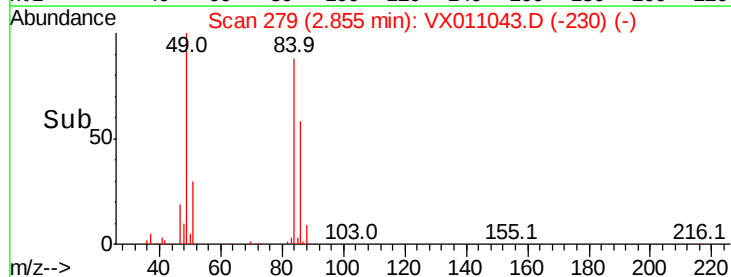
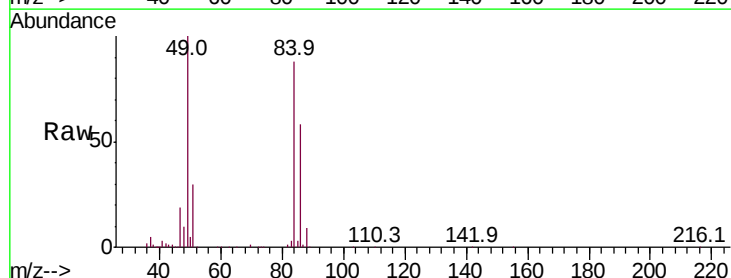
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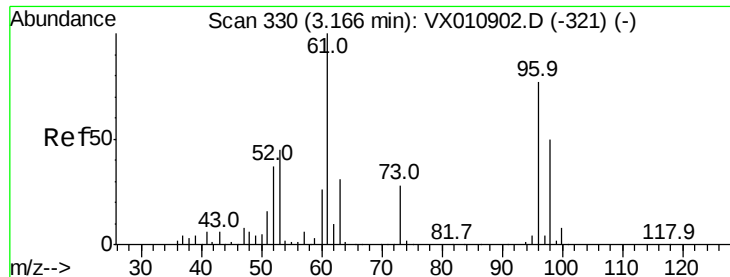
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#20
Methylene Chloride
Concen: 51.827 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.8	89.9	134.9
51	34.5	27.8	41.6
86	66.4	51.8	77.6





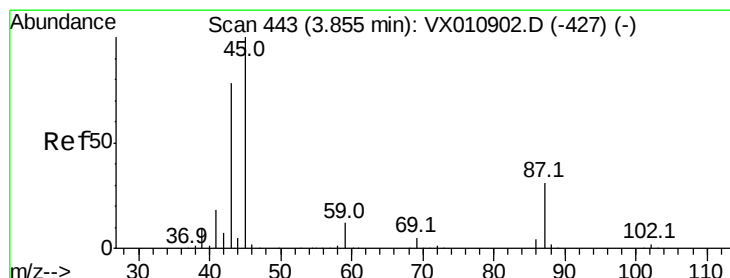
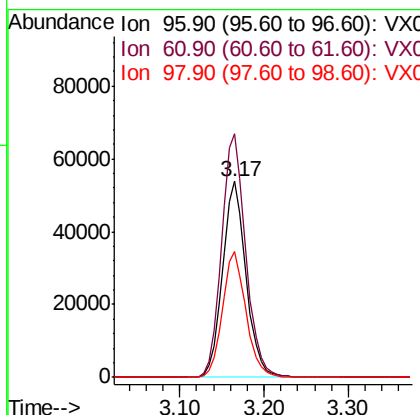
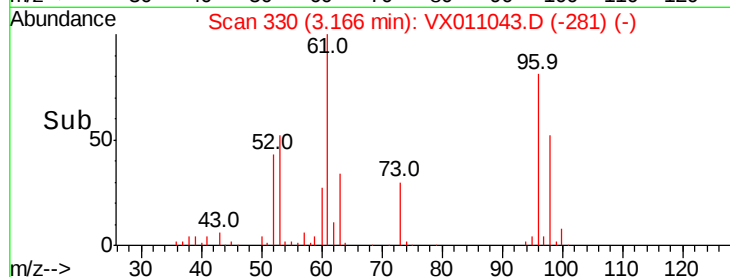
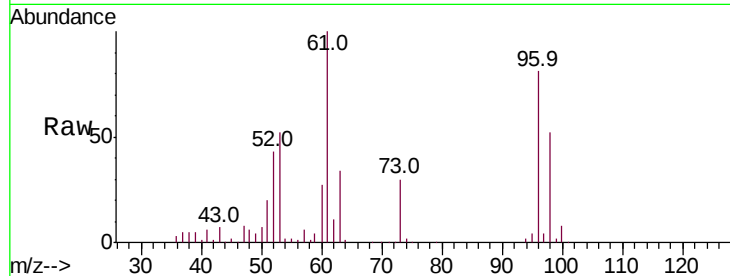
#21
trans-1,2-Dichloroethene
Concen: 52.214 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.1	104.2	156.2
98	64.0	52.2	78.4

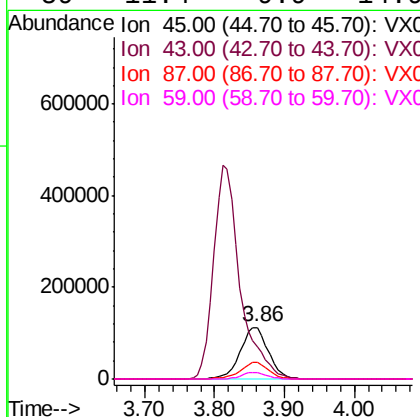
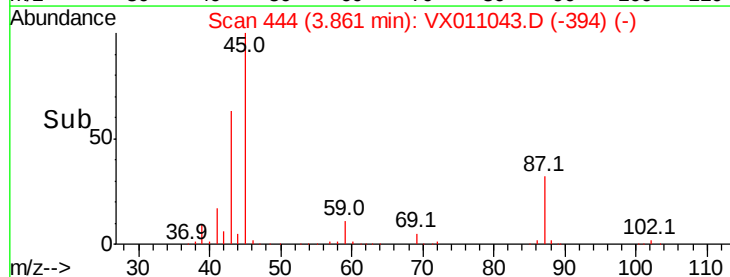
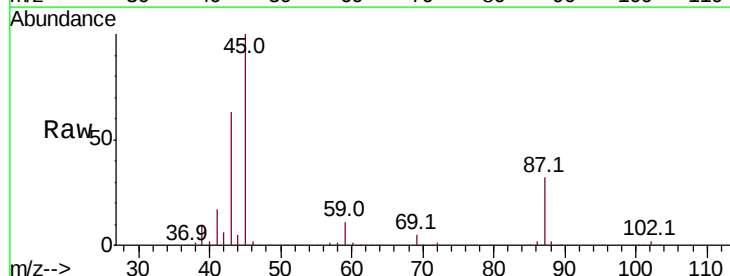
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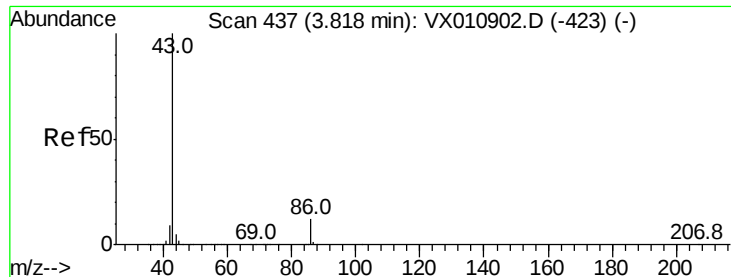
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#22
Diisopropyl ether
Concen: 54.484 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	62.3	93.5#
87	31.5	25.0	37.4
59	11.4	9.9	14.9





#23

Vinyl Acetate

Concen: 253.594 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 43 Resp: 1225050

Ion Ratio Lower Upper

43 100

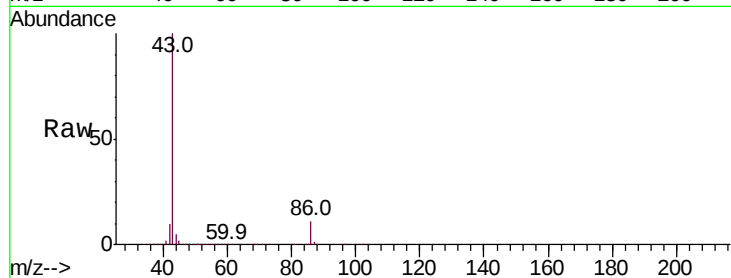
86 11.5 9.4 14.0

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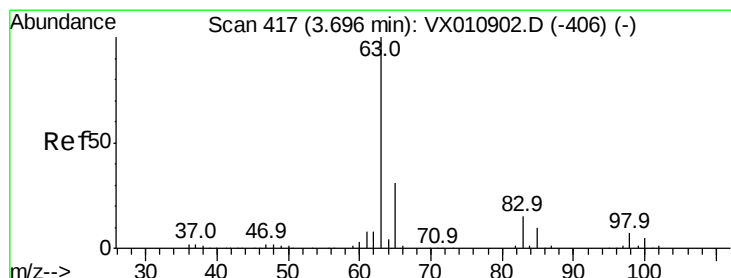
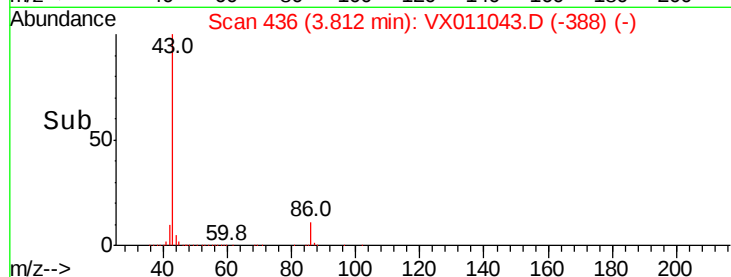
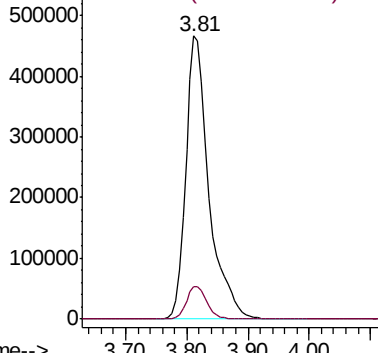
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.762 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

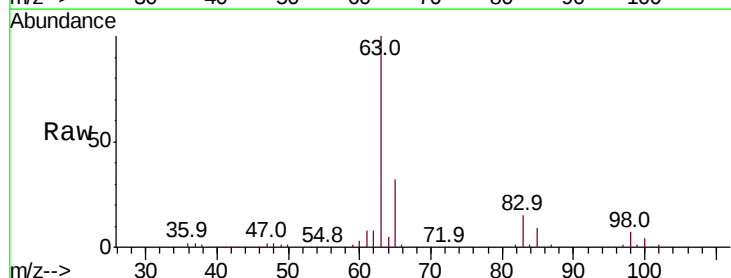
Tgt Ion: 63 Resp: 178013

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

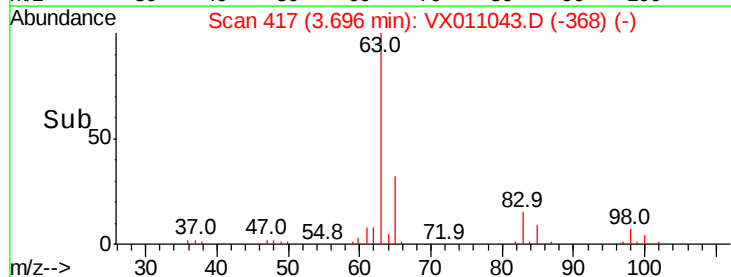
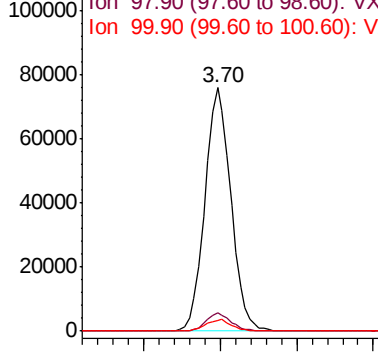
100 4.5 2.4 7.2

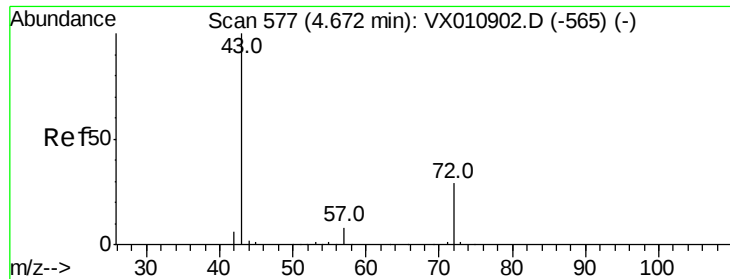


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 273.193 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 43 Resp: 393703

Ion Ratio Lower Upper

43 100

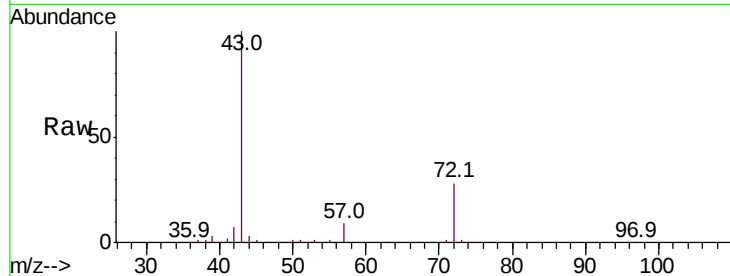
72 28.3 23.0 34.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

100000

50000

0

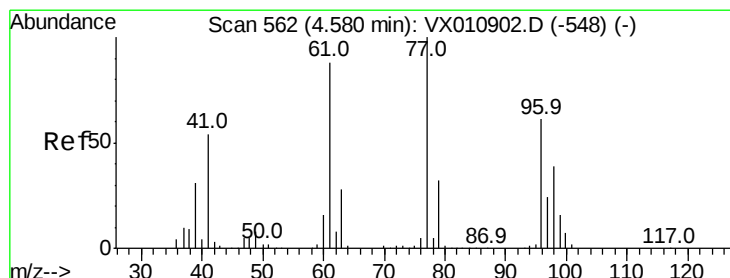
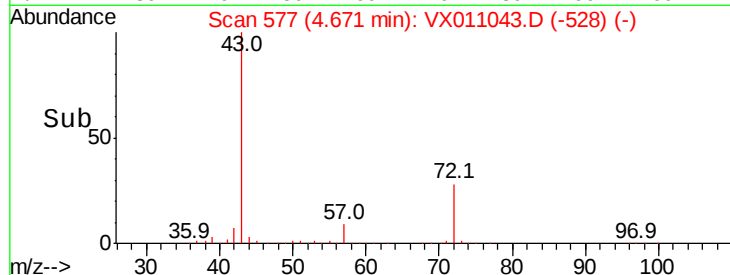
4.67

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.713 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011043.D

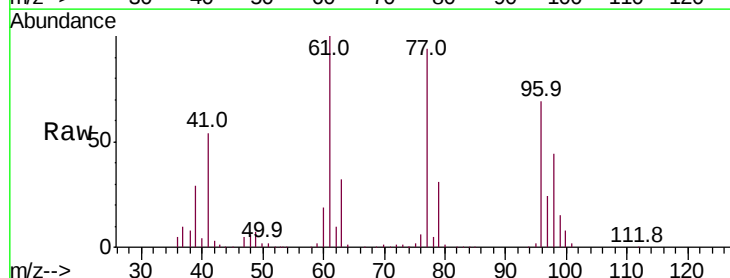
Acq: 22 Jul 2019 20:07

Tgt Ion: 77 Resp: 124281

Ion Ratio Lower Upper

77 100

97 25.4 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

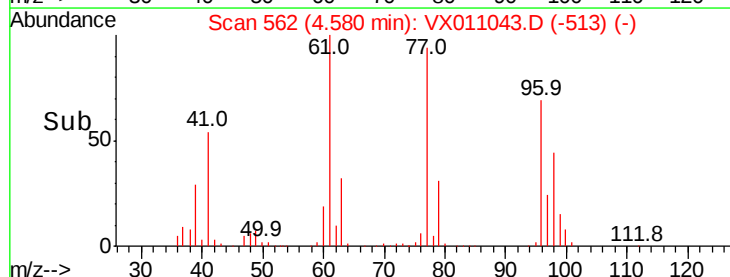
4.58

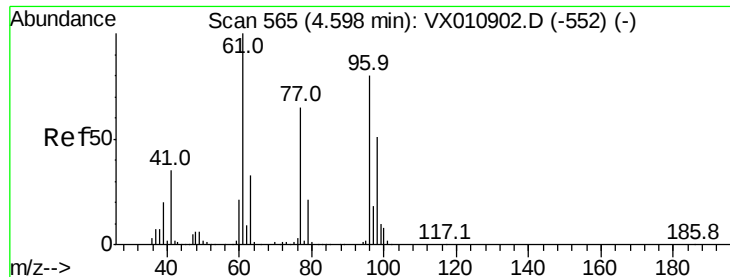
4.50

4.60

4.70

Time-->





#27

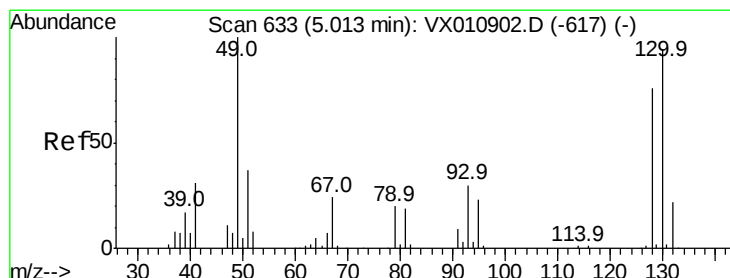
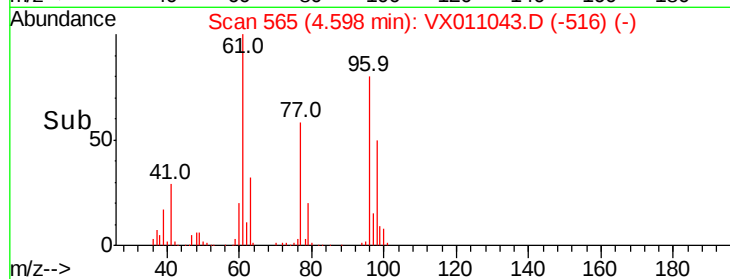
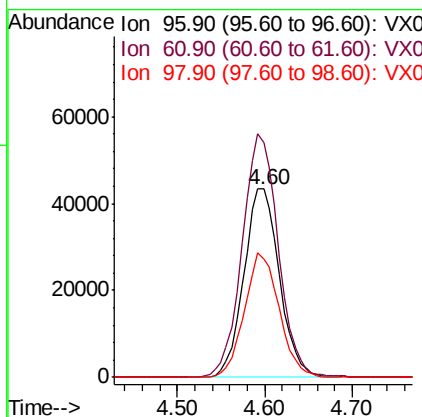
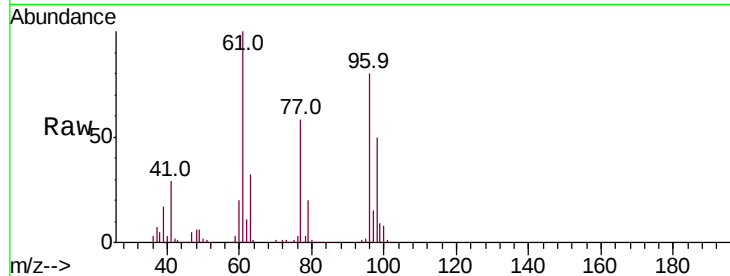
cis-1,2-Dichloroethene
Concen: 53.560 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122404		
61	131.0	0.0	269.0	
98	64.6	0.0	131.4	

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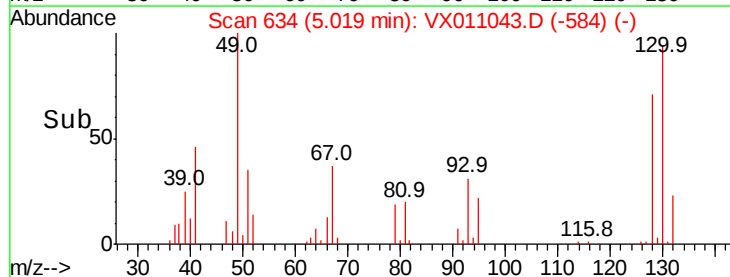
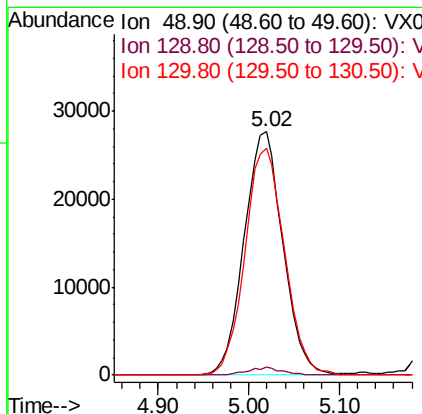
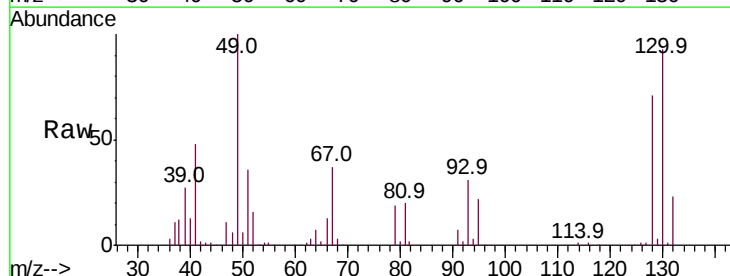
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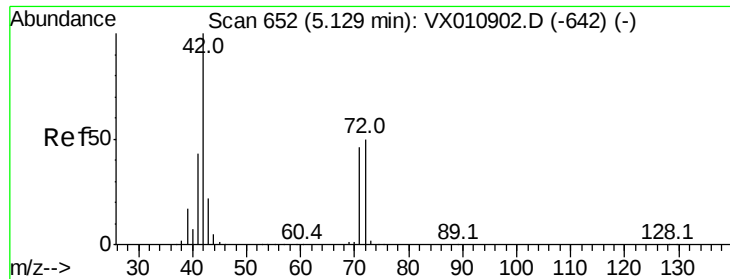


#28

Bromochloromethane
Concen: 52.553 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81999		
129	2.8	0.0	5.2	
130	94.8	76.9	115.3	





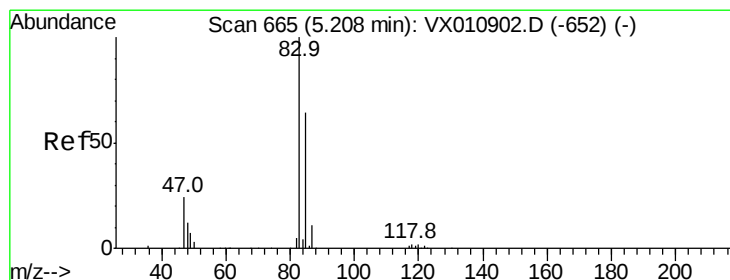
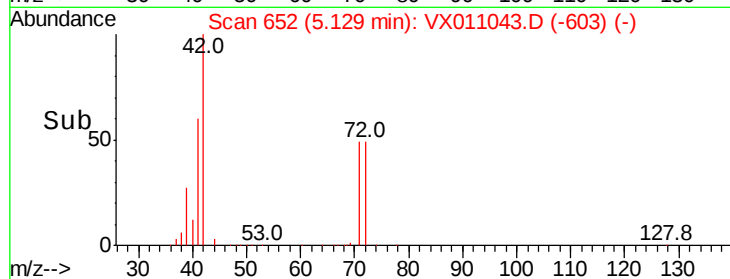
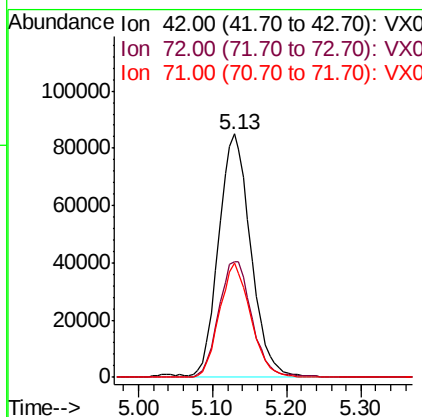
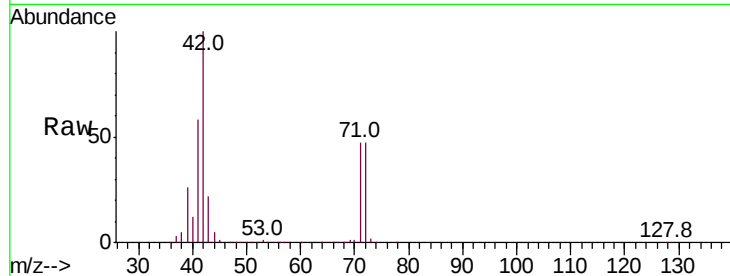
#29
Tetrahydrofuran
Concen: 278.245 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	39.8	59.8
71	45.9	37.0	55.4

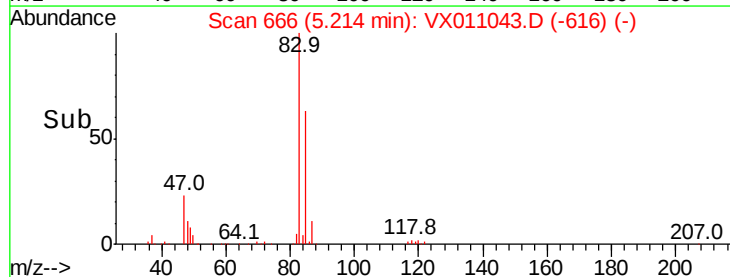
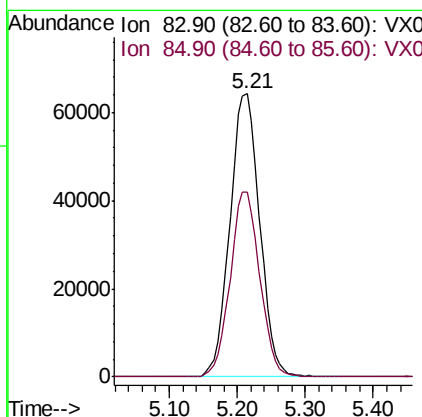
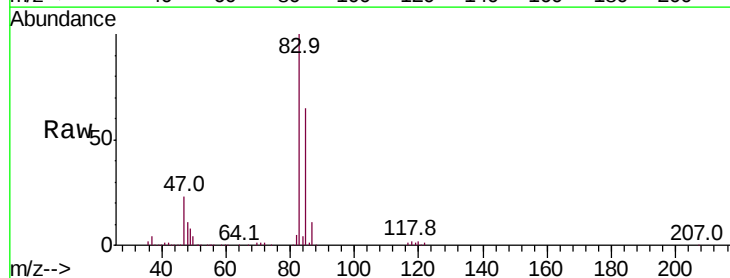
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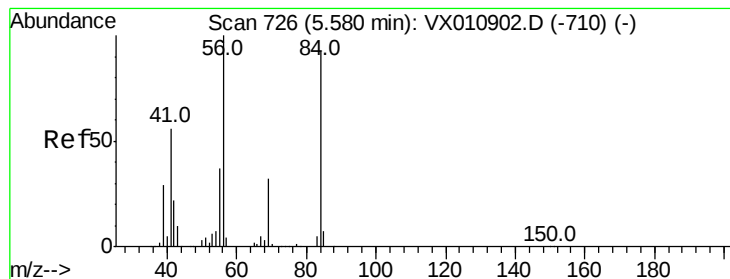
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#30
Chloroform
Concen: 54.522 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.0





#31

Cyclohexane

Concen: 49.200 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 56 Resp: 148487

Ion Ratio Lower Upper

56 100

69 32.1 25.8 38.8

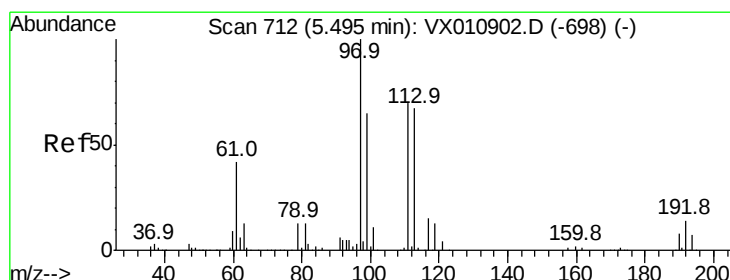
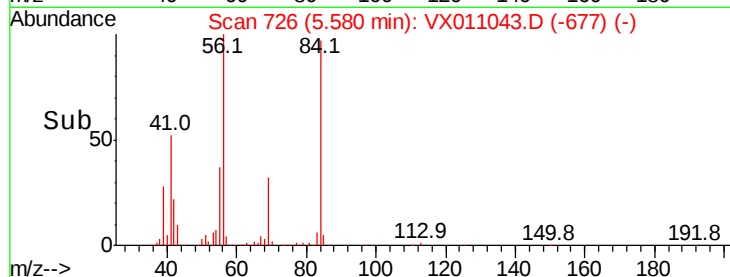
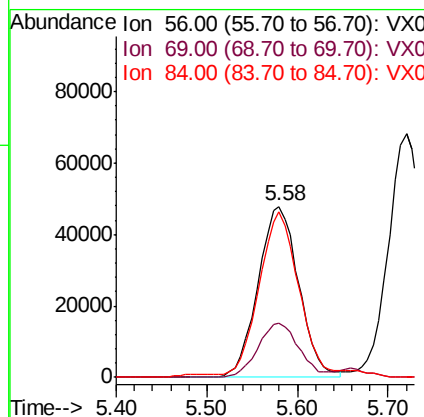
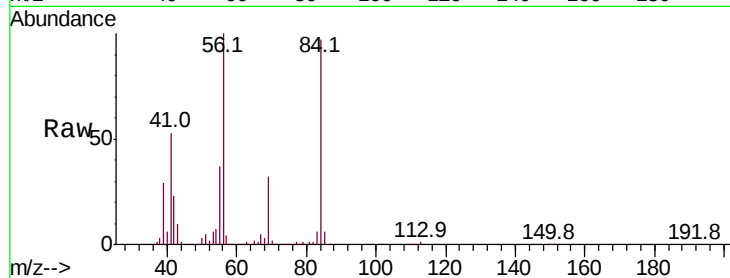
84 94.9 73.8 110.6

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#32

1,1,1-Trichloroethane

Concen: 55.336 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

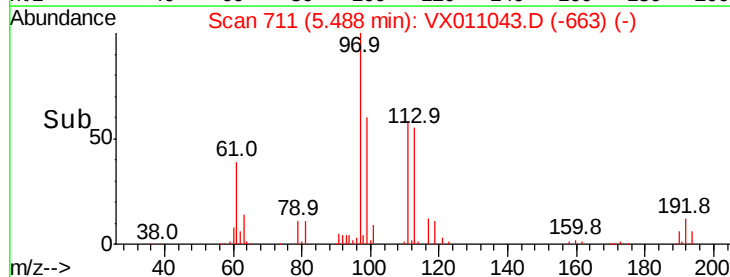
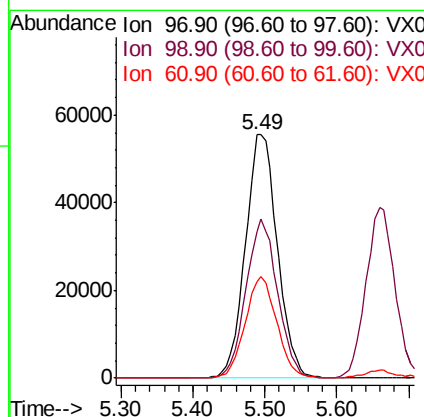
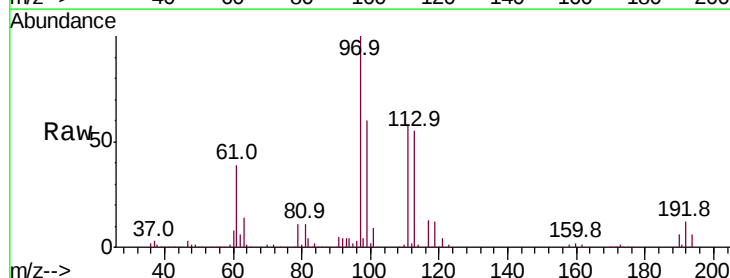
Tgt Ion: 97 Resp: 171339

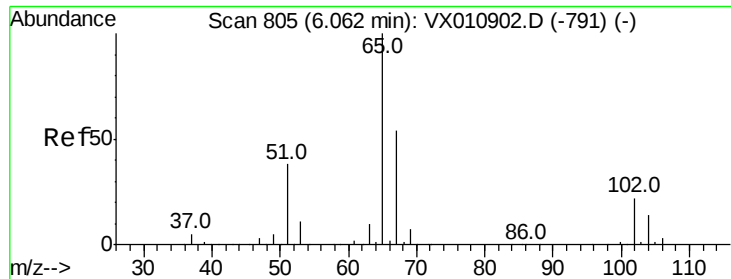
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 41.2 33.0 49.6





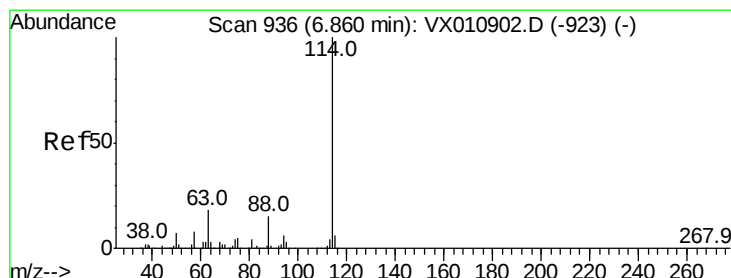
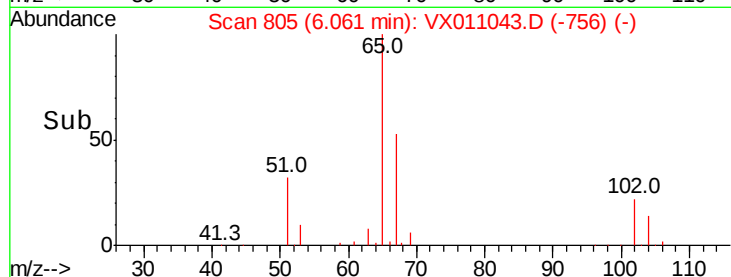
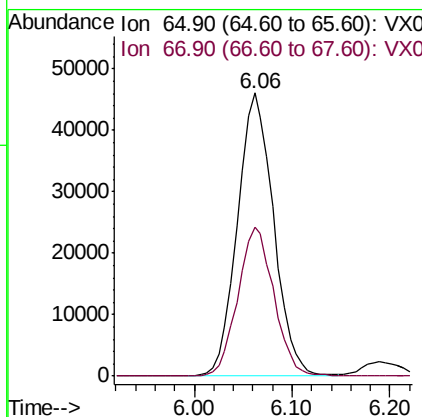
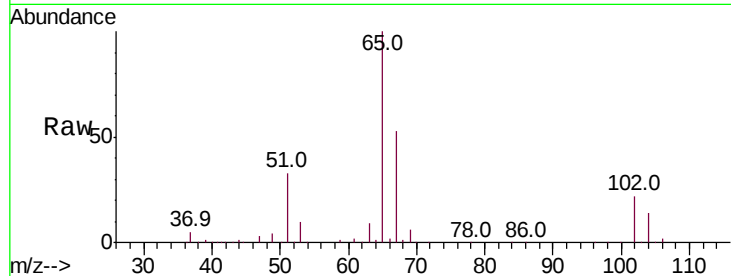
#33
 1,2-Dichloroethane-d4
 Concen: 53.224 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	107.8

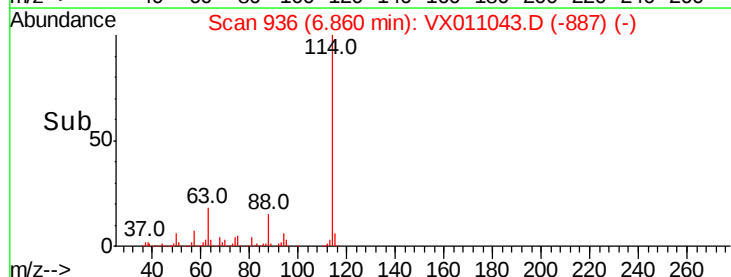
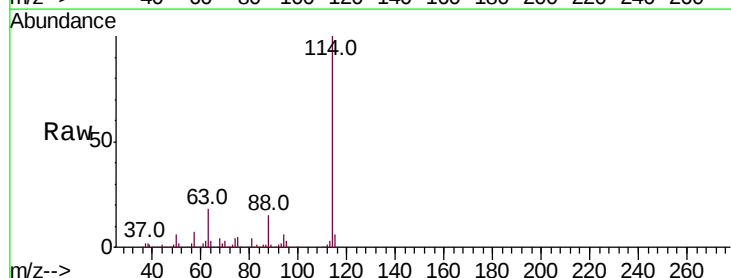
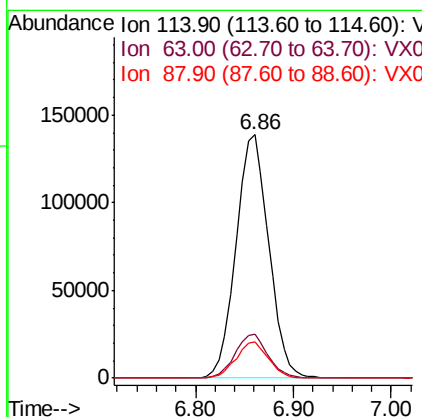
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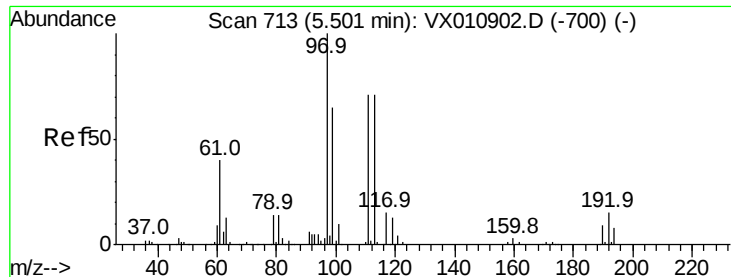
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.6
88	14.8	0.0	29.8





#35

Dibromofluoromethane

Concen: 50.868 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011043.D

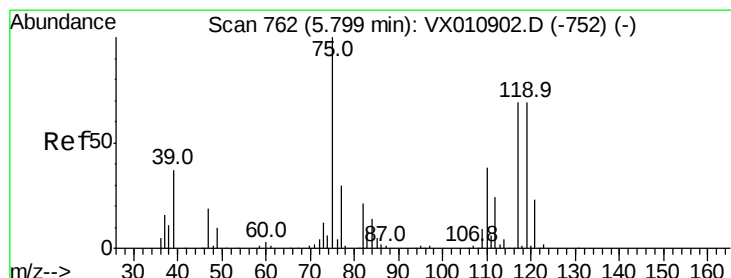
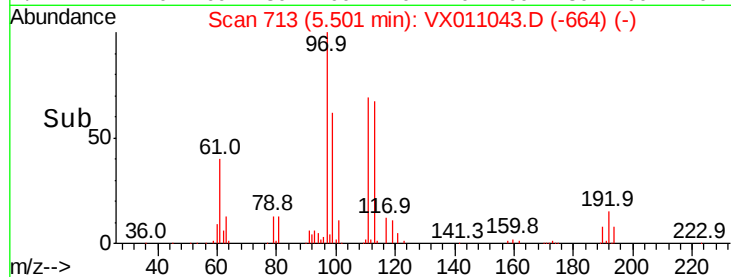
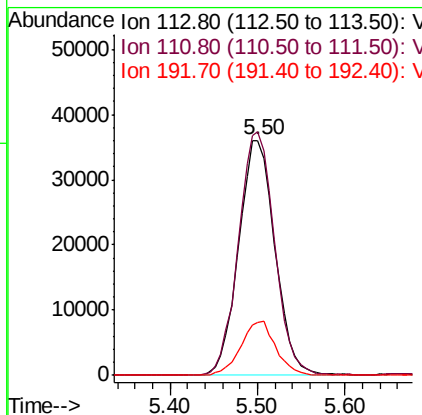
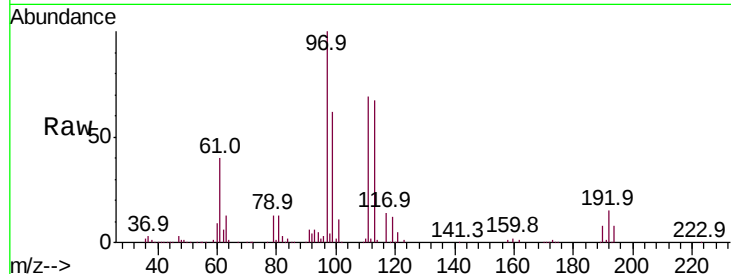
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104207		
111	102.7	82.3	123.5	
192	22.1	17.4	26.2	

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#36

1,1-Dichloropropene

Concen: 51.003 ug/l

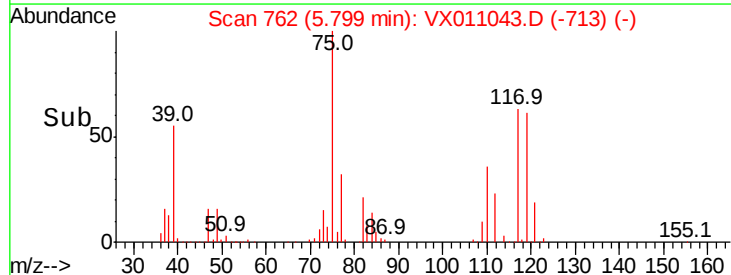
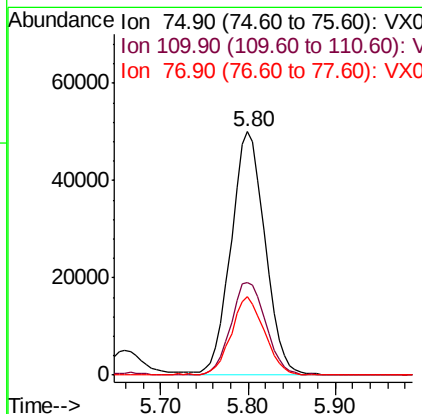
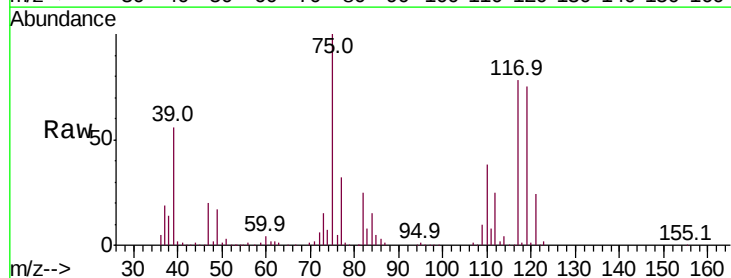
RT: 5.80 min Scan# 762

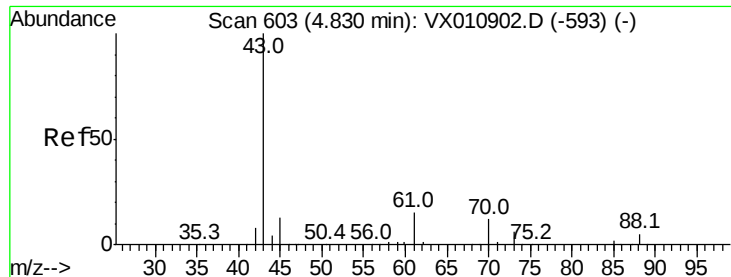
Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	135215		
110	39.7	19.9	59.7	
77	31.2	25.0	37.4	





#37

Ethyl Acetate

Concen: 50.130 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

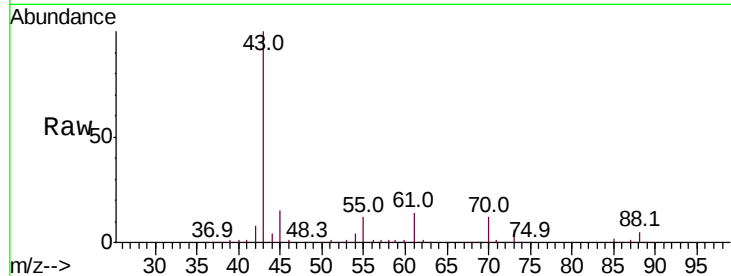
ClientSampleId :

SU19-MSW0620MS

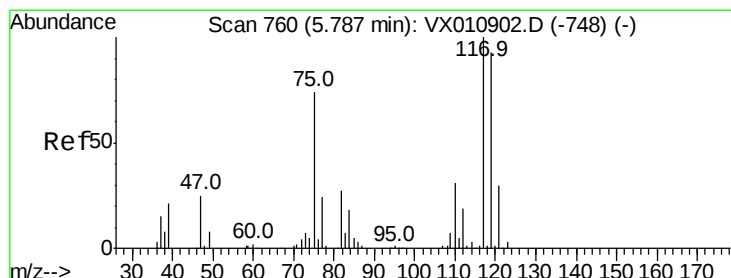
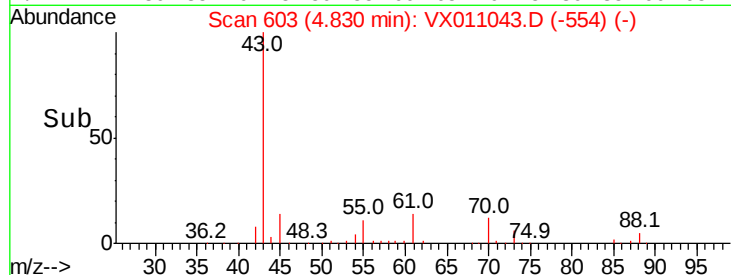
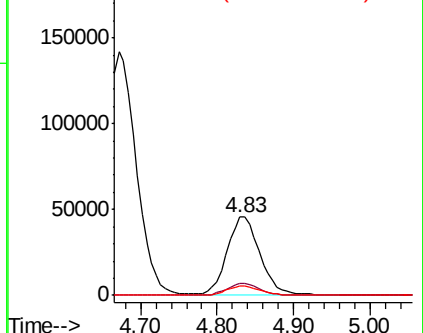
Tot Ion:	43	Resp:	136087
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.6	17.4
70	11.9	9.1	13.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 53.391 ug/l

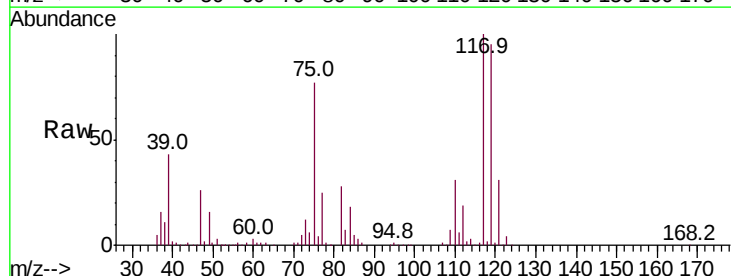
RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

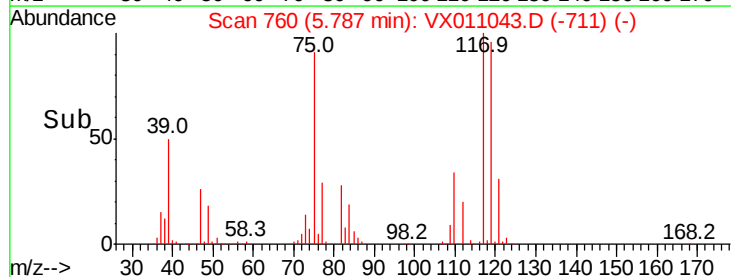
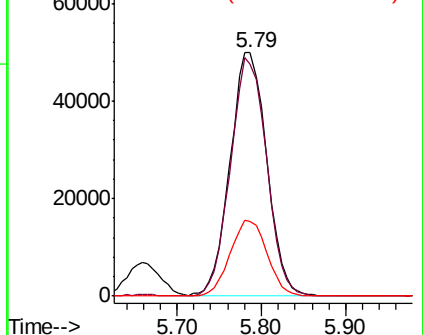
Lab File: VX011043.D

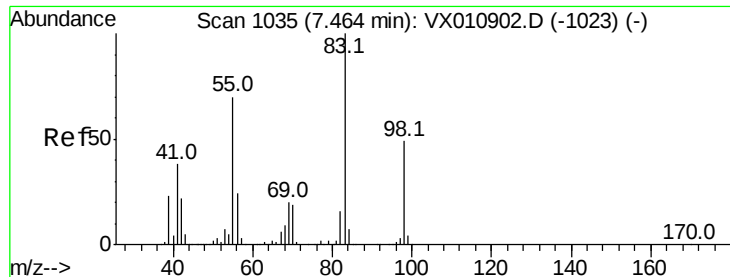
Acq: 22 Jul 2019 20:07

Tgt Ion:	117	Resp:	147497
Ion	Ratio	Lower	Upper
117	100		
119	95.4	74.2	111.2
121	30.9	24.2	36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





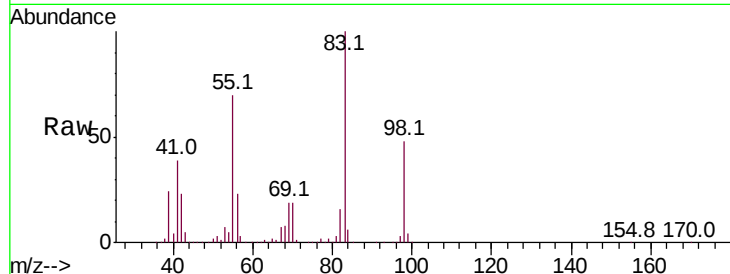
#39
Methvlcvclohexane
Concen: 46.352 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.2	84.4
98	47.6	39.0	58.4

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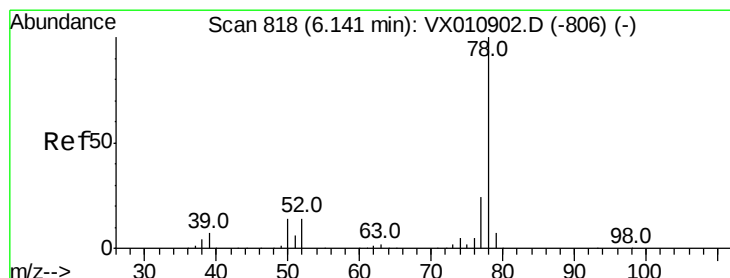
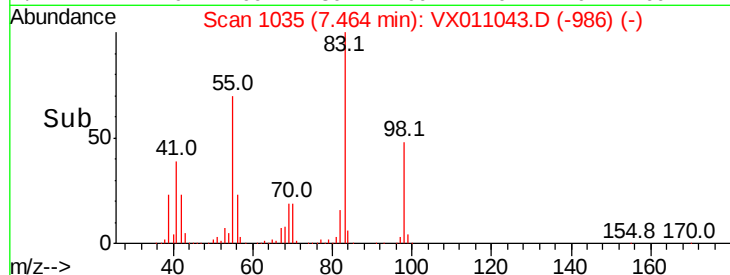
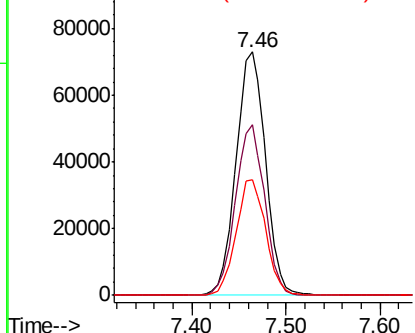


Abundance

Ion 83.00 (82.70 to 83.70): VX0

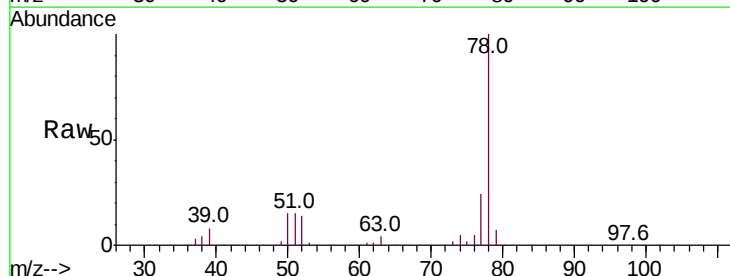
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 51.886 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

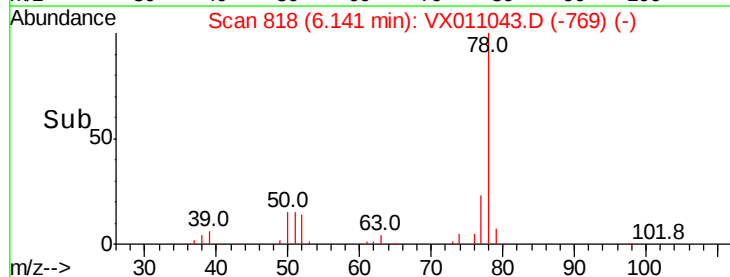
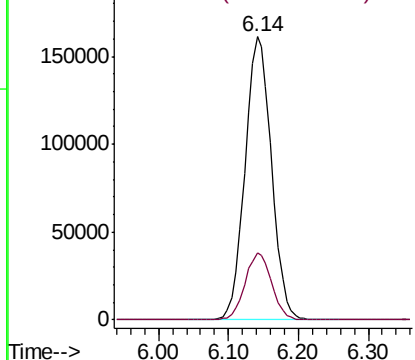
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6

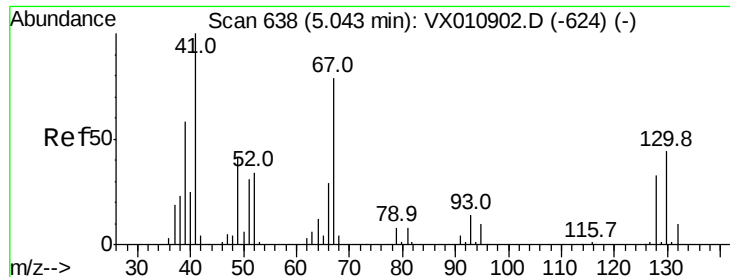


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 53.943 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 41 Resp: 83130

Ion Ratio Lower Upper

41 100

39 54.2 45.4 68.2

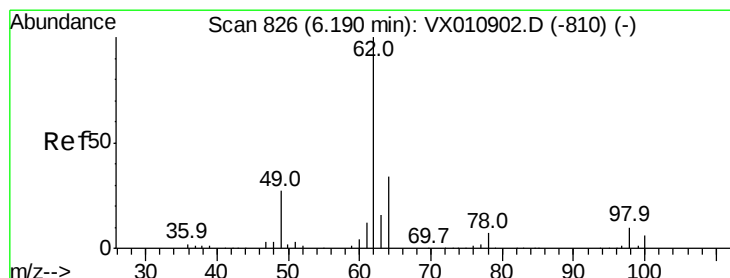
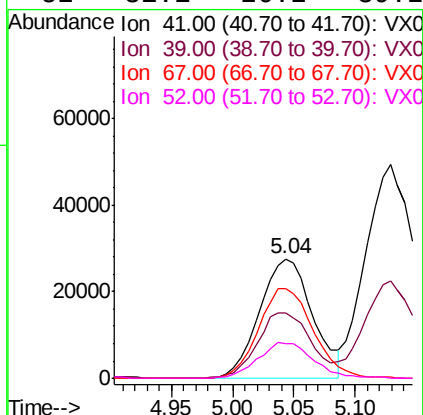
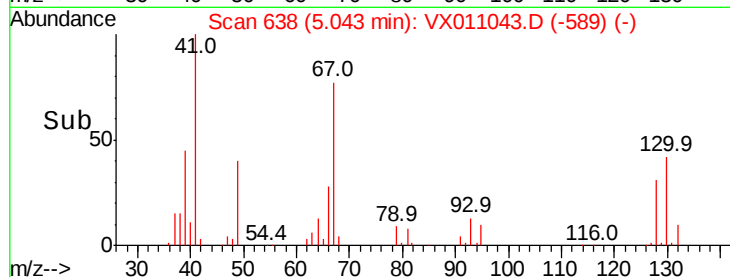
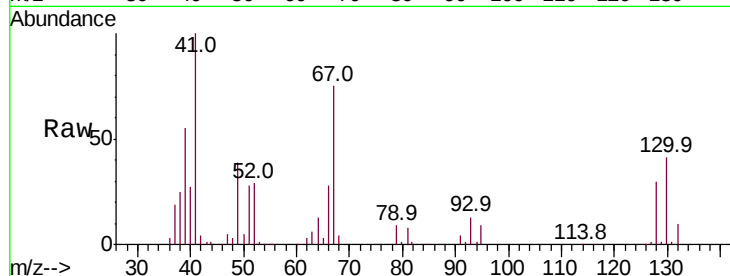
67 77.8 65.9 98.9

52 31.1 26.2 39.2

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#42

1,2-Dichloroethane

Concen: 53.676 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX011043.D

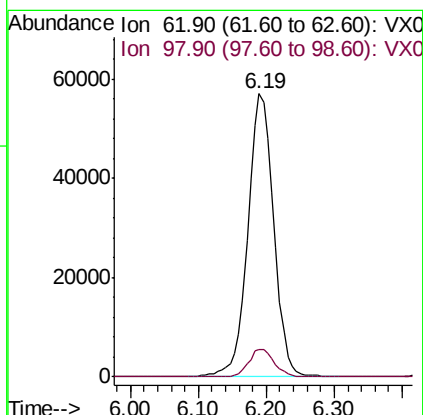
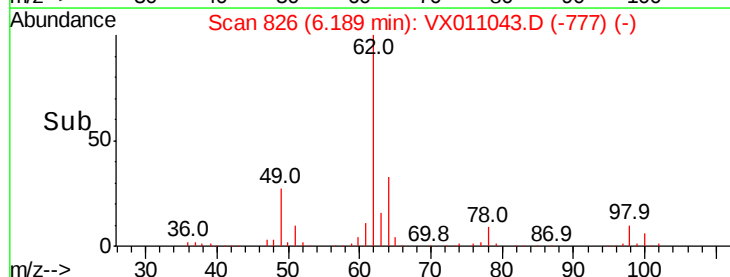
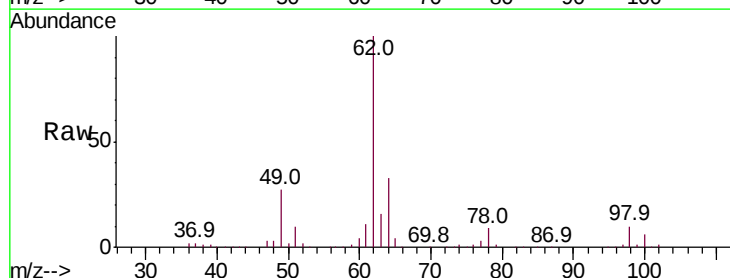
Acq: 22 Jul 2019 20:07

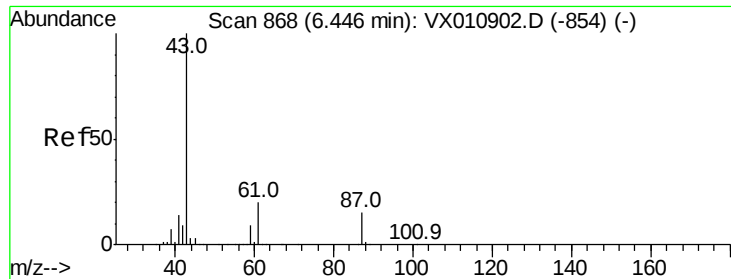
Tgt Ion: 62 Resp: 151562

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.0





#43

Isopropyl Acetate

Concen: 51.546 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

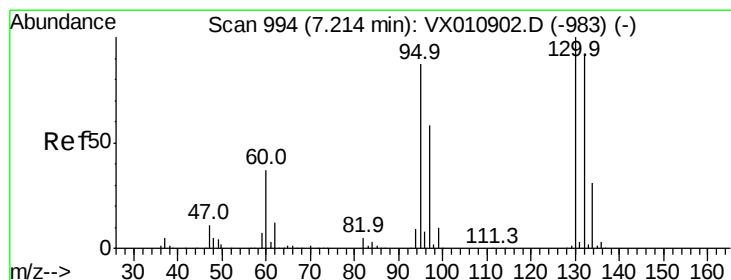
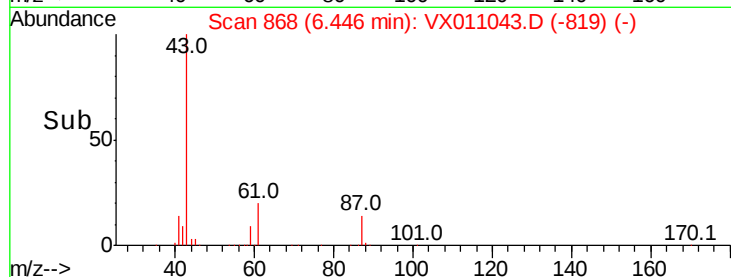
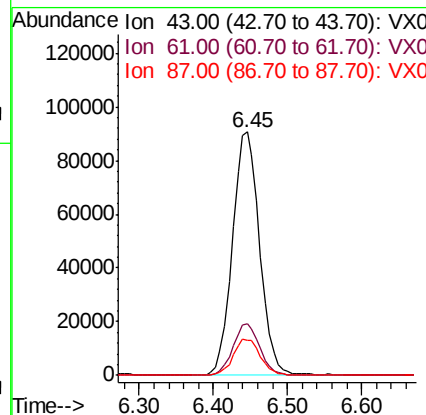
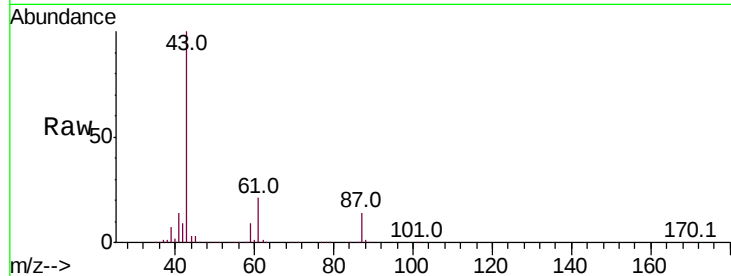
ClientSampleId :

SU19-MSW0620MS

Tot Ion:	43	Resp:	230087
Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.1	25.7
87	15.0	12.0	18.0

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#44

Trichloroethene

Concen: 50.921 ug/l

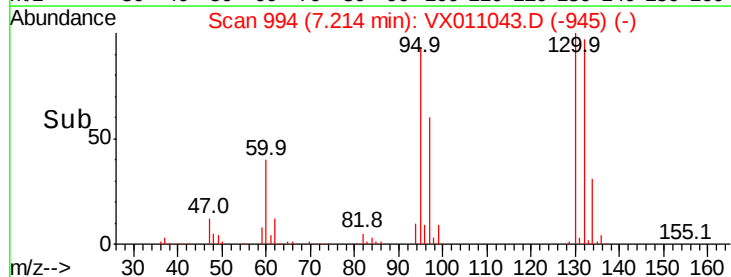
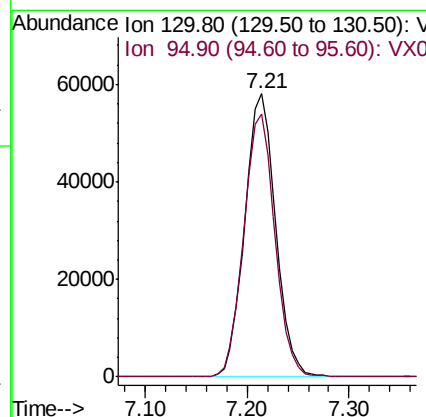
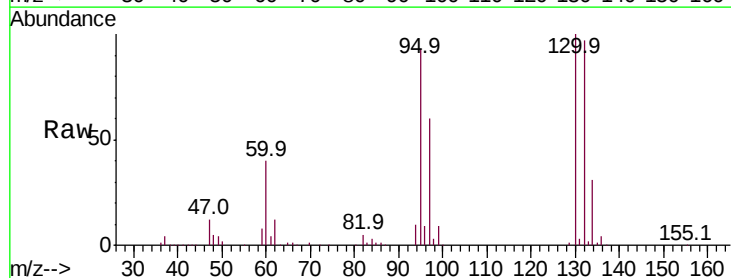
RT: 7.21 min Scan# 994

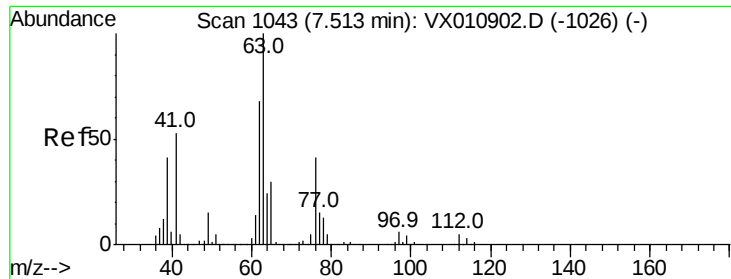
Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Tgt Ion:	130	Resp:	122405
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	174.8





#45

1,2-Dichloropropane

Concen: 51.781 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 63 Resp: 107028

Ion Ratio Lower Upper

63 100

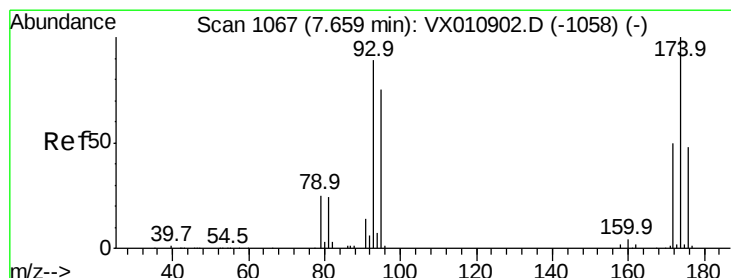
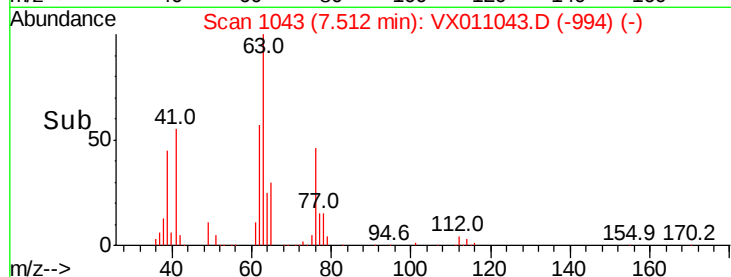
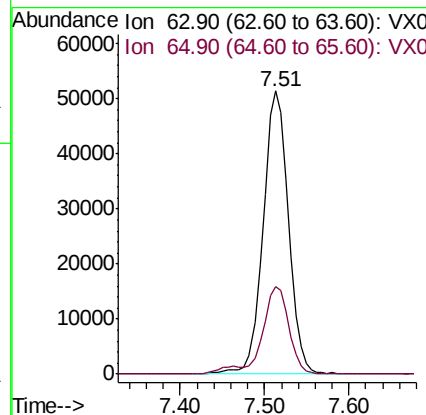
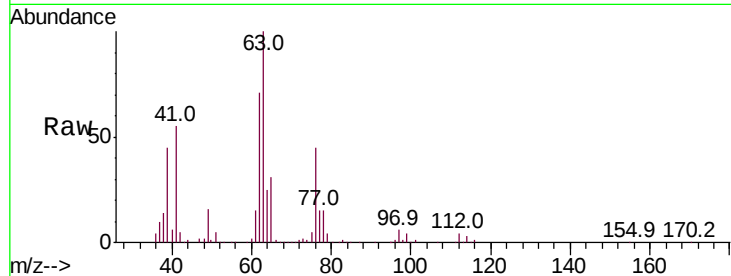
65 31.0 24.4 36.6

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#46

Dibromomethane

Concen: 53.805 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

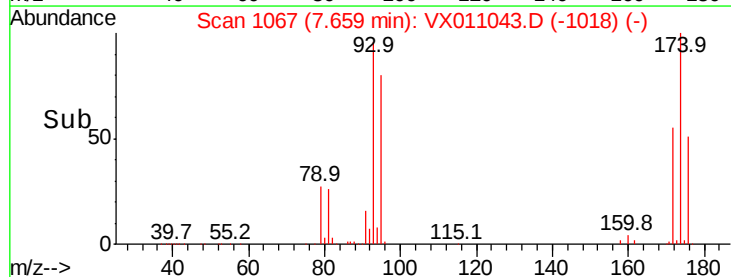
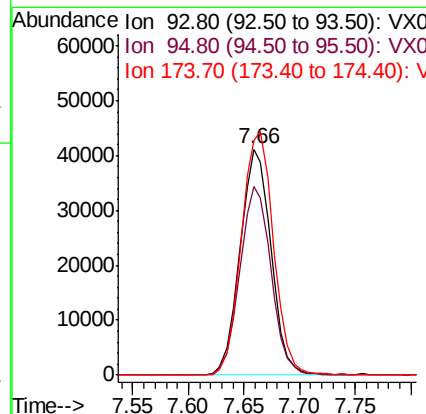
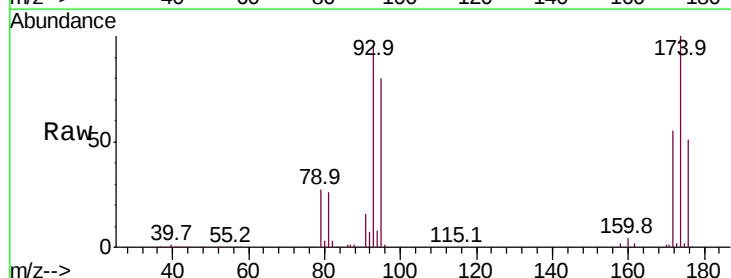
Tgt Ion: 93 Resp: 79468

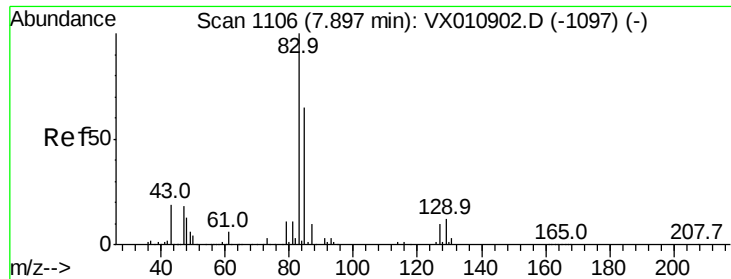
Ion Ratio Lower Upper

93 100

95 84.1 67.2 100.8

174 111.3 90.6 135.8





#47

Bromodichloromethane

Concen: 55.285 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

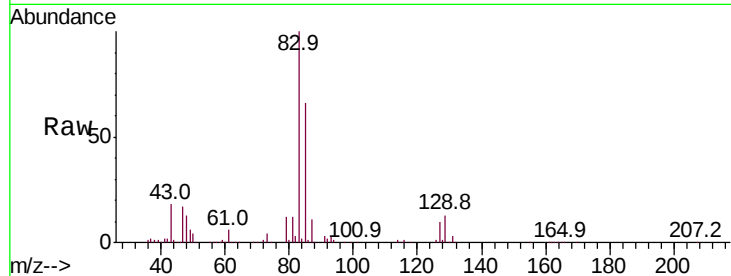
ClientSampleId :

SU19-MSW0620MS

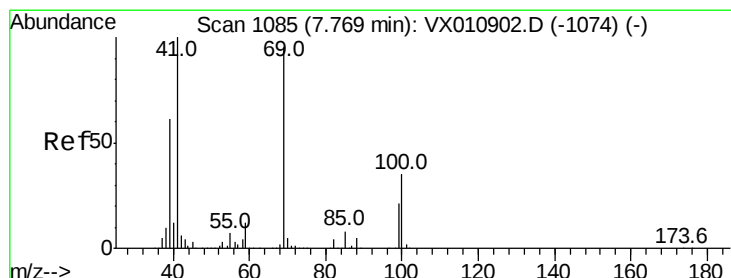
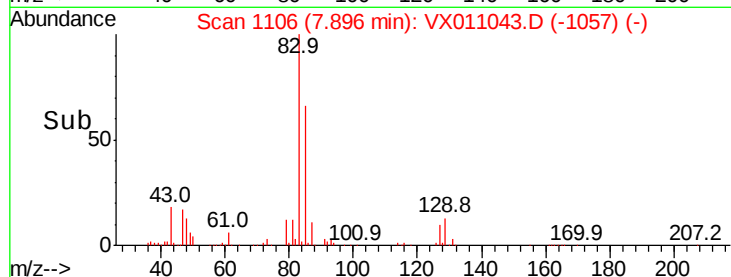
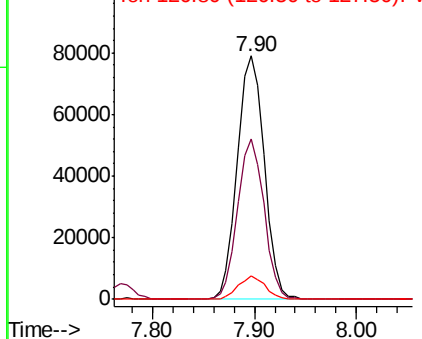
Tot Ion:	83	Resp:	145352
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.5	78.7
127	9.7	7.8	11.8

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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: 54.540 ug/l

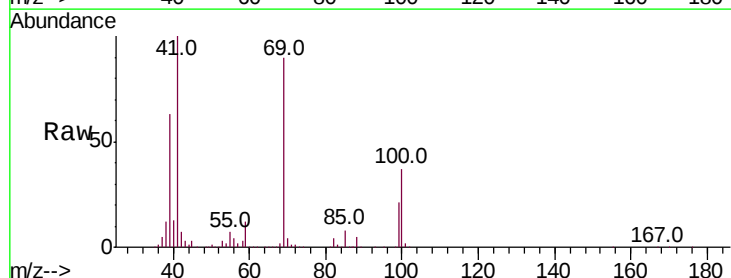
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

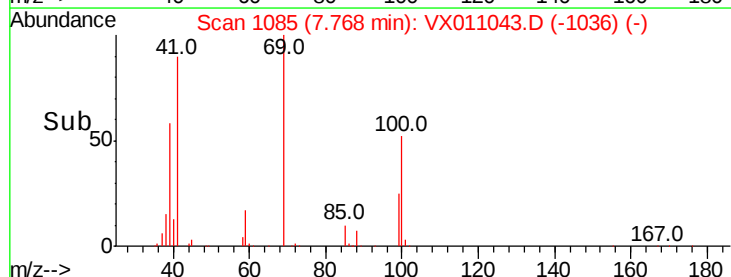
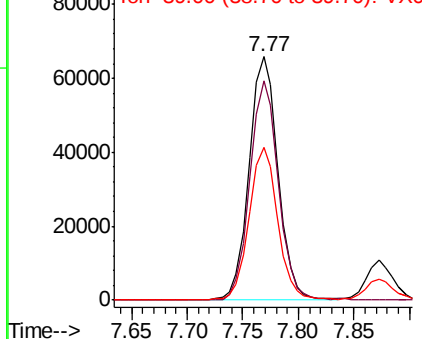
Lab File: VX011043.D

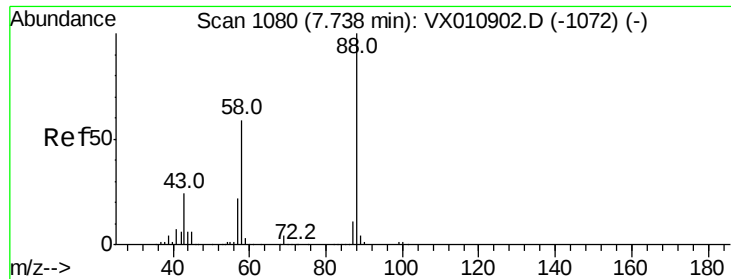
Acq: 22 Jul 2019 20:07

Tgt Ion:	41	Resp:	118598
Ion	Ratio	Lower	Upper
41	100		
69	89.7	74.4	111.6
39	61.9	48.9	73.3



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





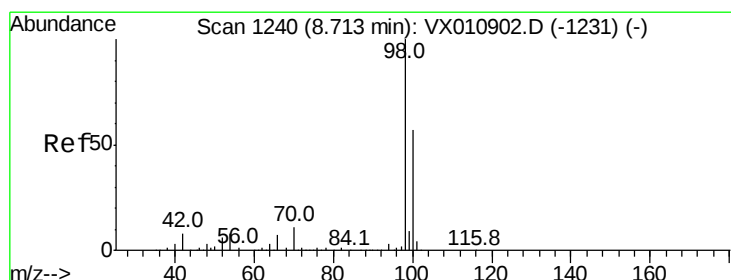
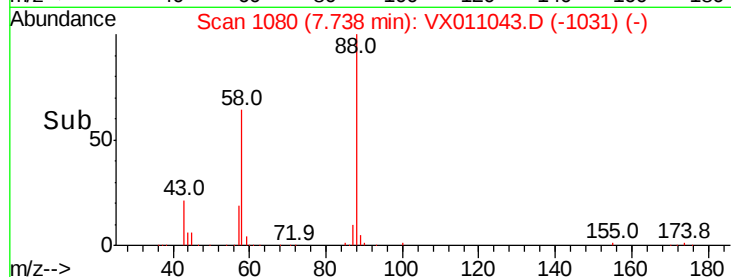
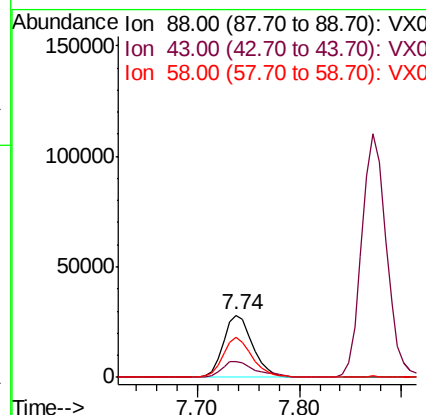
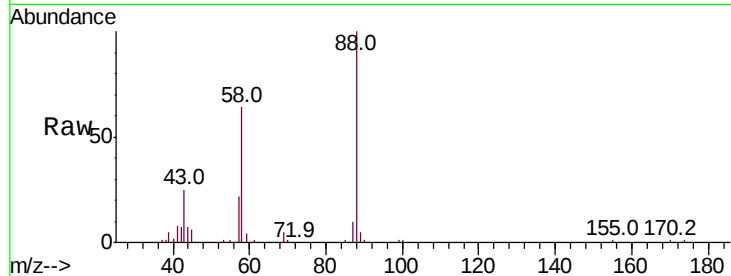
#49
1,4-Dioxane
Concen: 925.996 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100	56325		
43	29.5		22.9	34.3
58	63.3		49.8	74.8

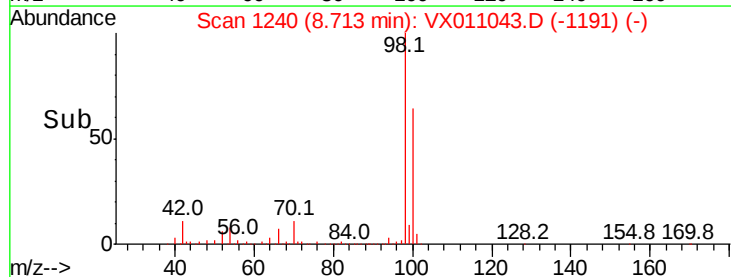
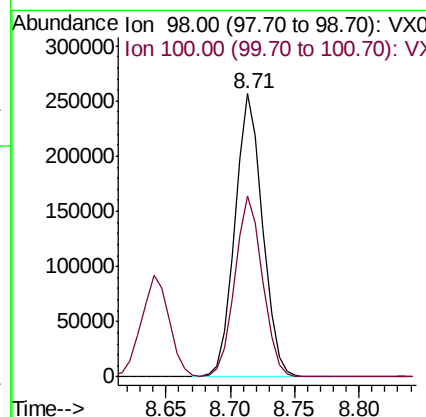
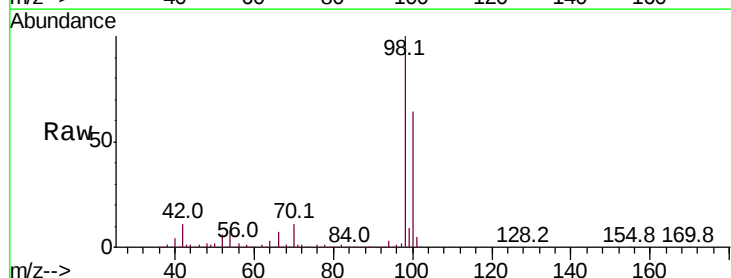
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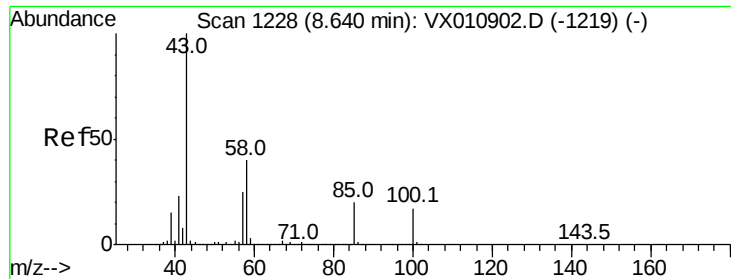
MMDadoda
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#50
Toluene-d8
Concen: 50.065 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	384676		
100	64.1		50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 279.559 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 43 Resp: 808924

Ion Ratio Lower Upper

43 100

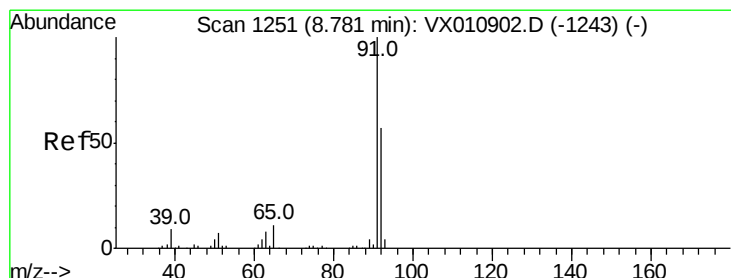
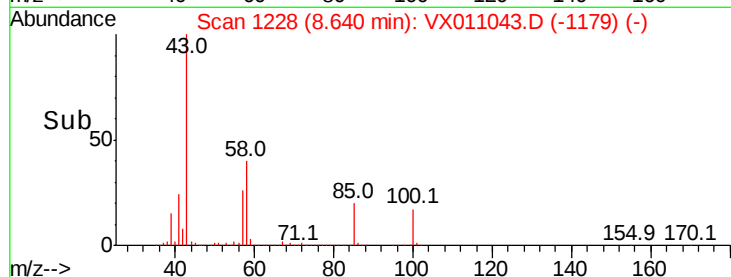
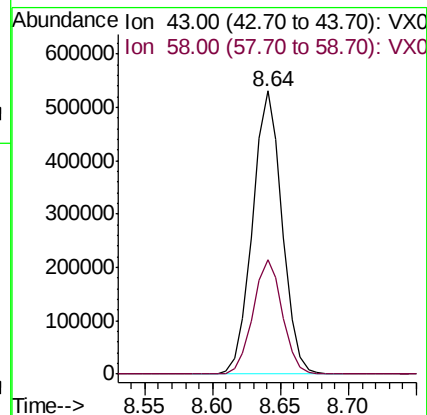
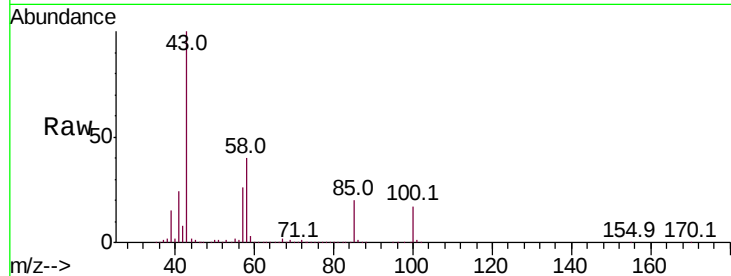
58 40.3 32.2 48.4

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#52

Toluene

Concen: 51.330 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011043.D

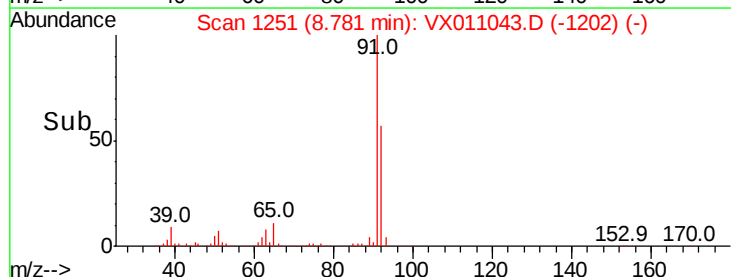
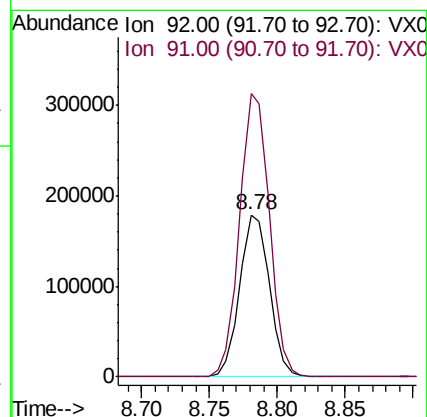
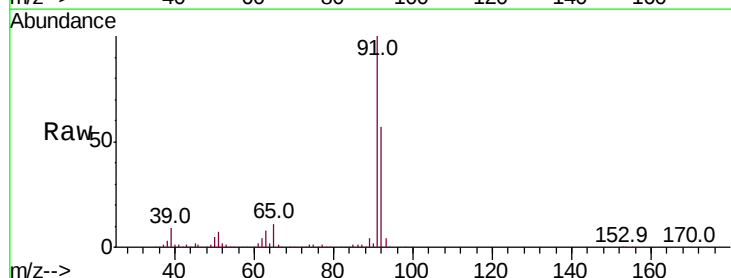
Acq: 22 Jul 2019 20:07

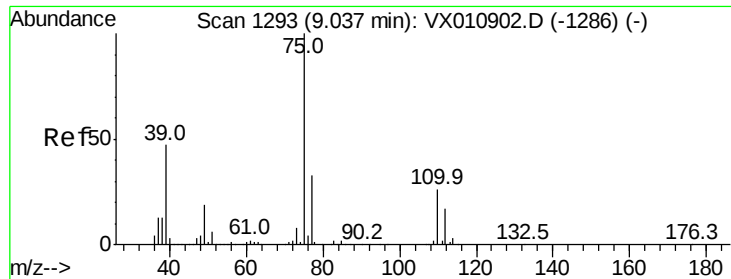
Tgt Ion: 92 Resp: 273840

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 54.120 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 75 Resp: 152996

Ion Ratio Lower Upper

75 100

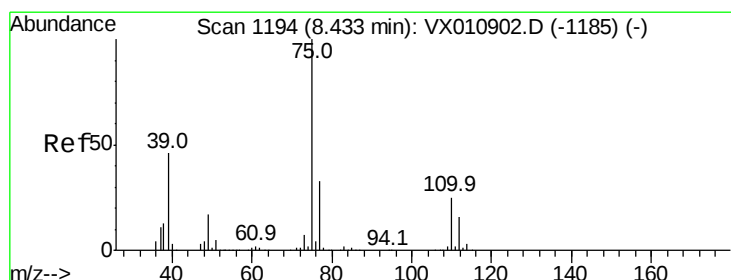
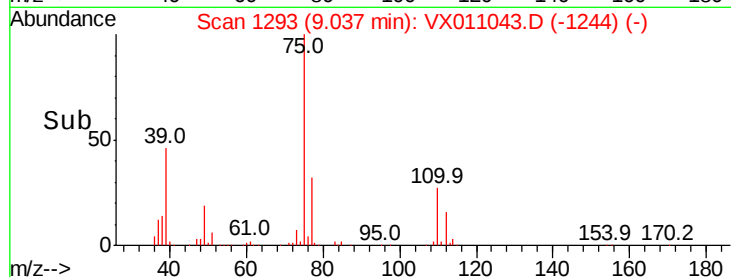
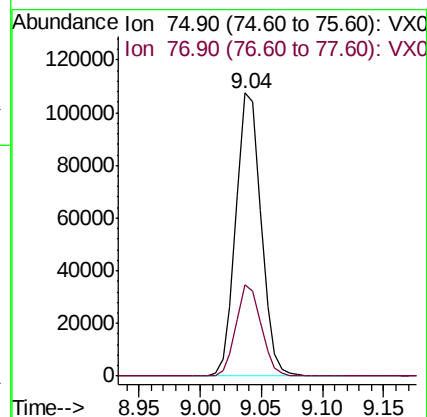
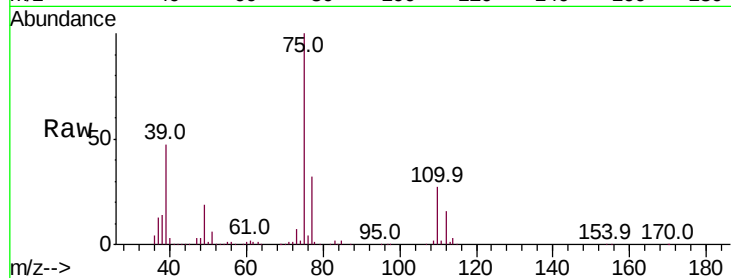
77 32.1 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 52.936 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

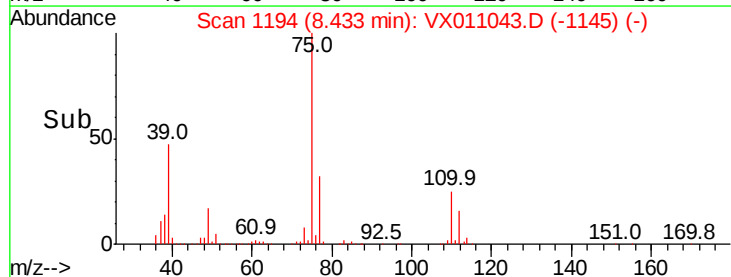
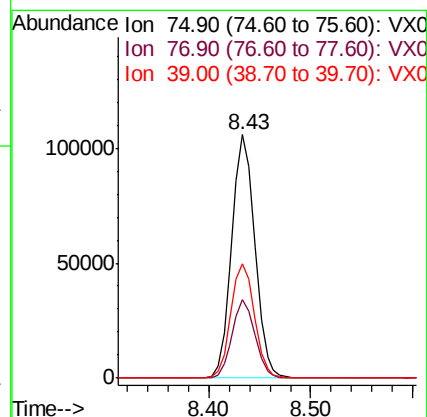
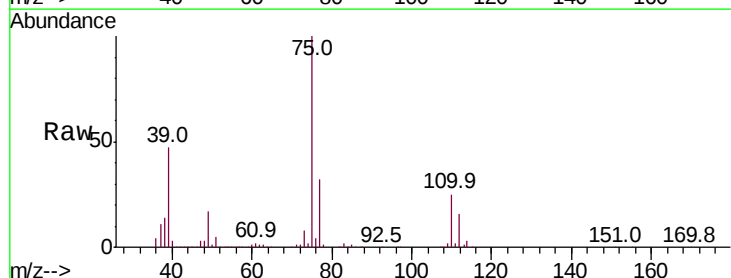
Tgt Ion: 75 Resp: 166520

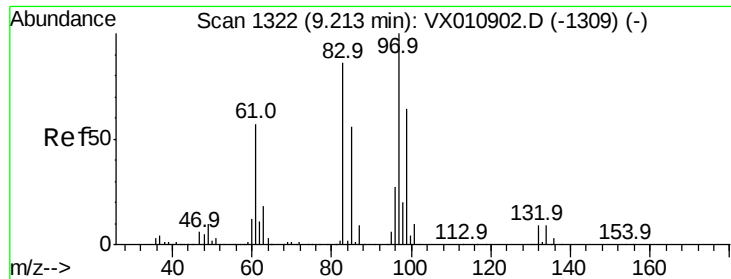
Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1

39 47.1 36.6 54.8





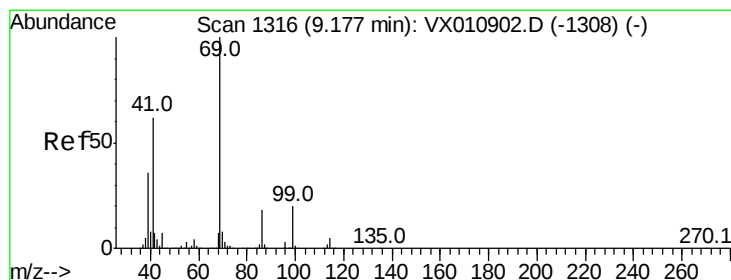
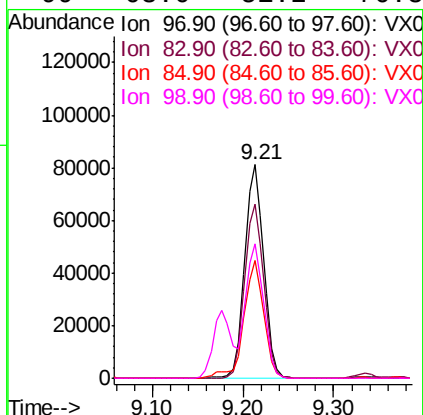
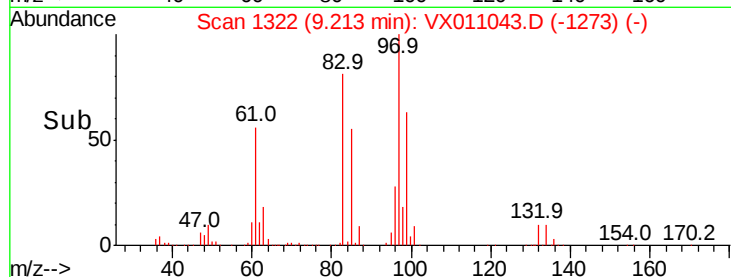
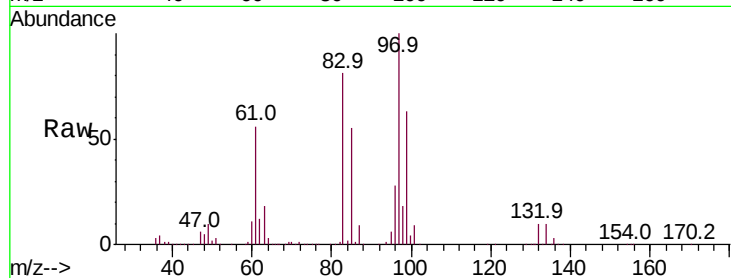
#55
 1,1,2-Trichloroethane
 Concen: 53.615 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	81.3	69.2	103.8	
85	55.0	44.6	66.8	
99	63.0	51.2	76.8	

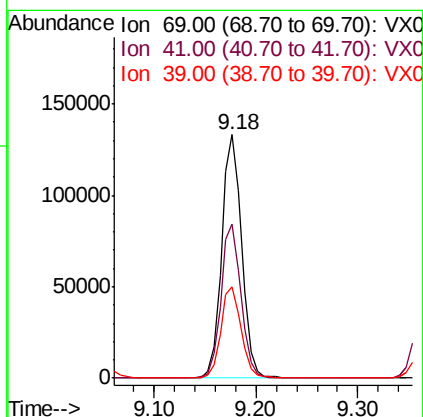
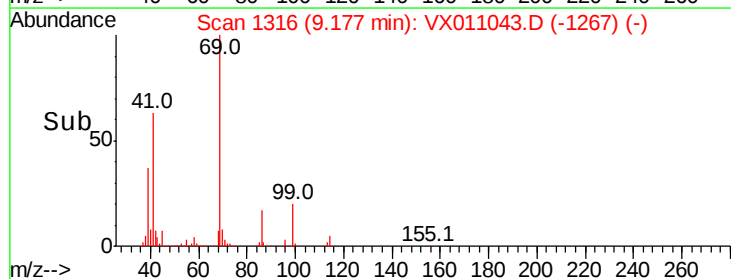
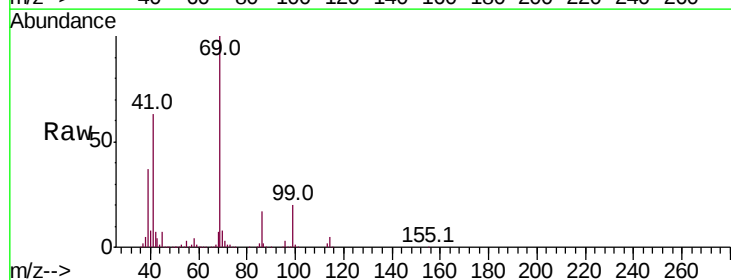
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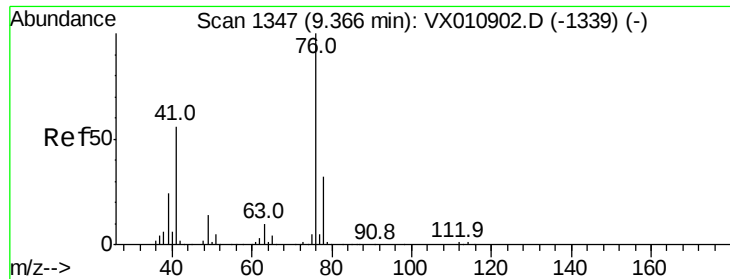
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#56
 Ethyl methacrylate
 Concen: 56.563 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.3	49.7	74.5	
39	37.5	29.6	44.4	





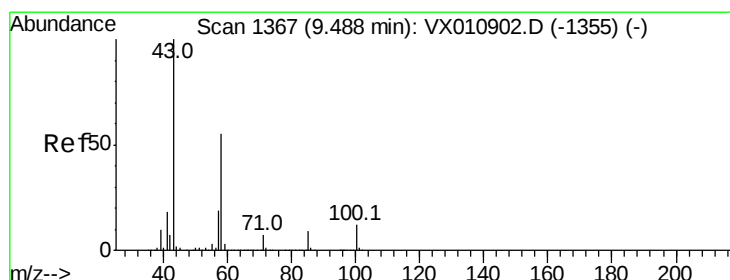
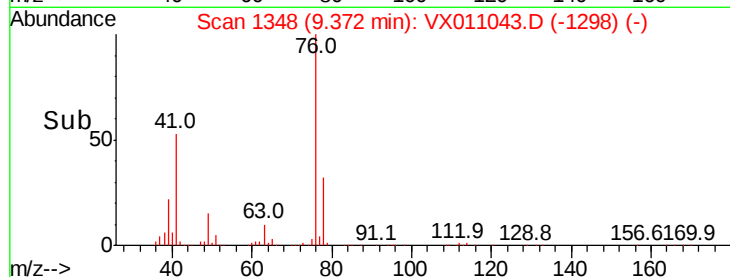
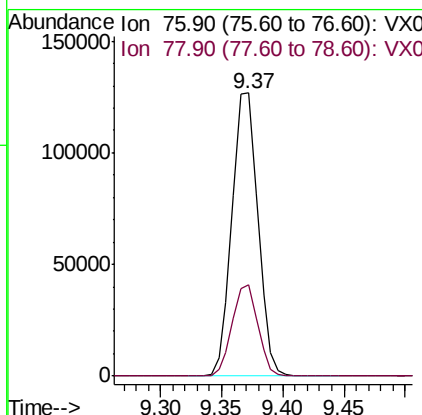
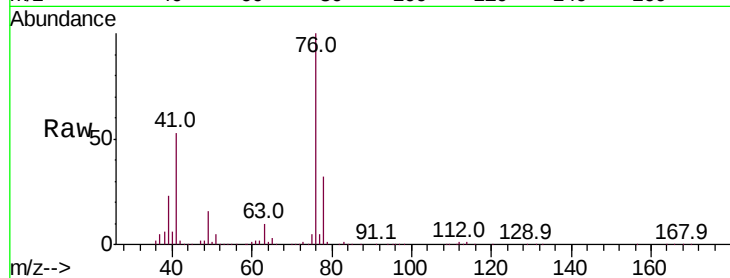
#57
 1,3-Dichloropropane
 Concen: 53.503 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.6	38.4

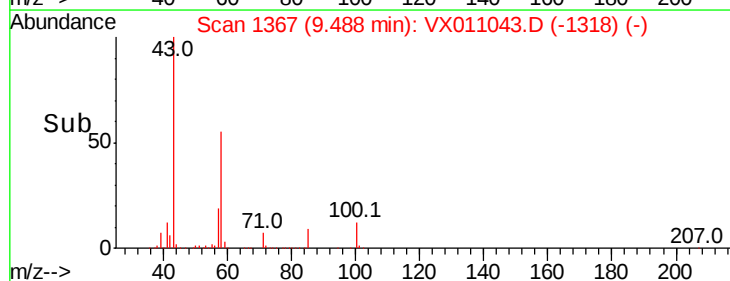
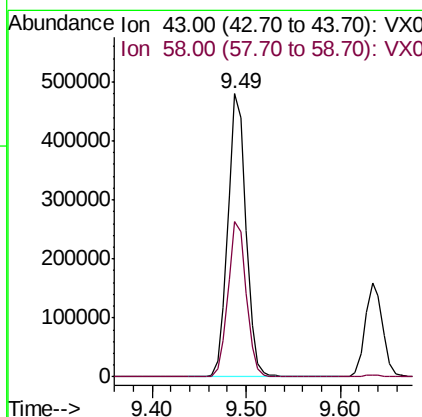
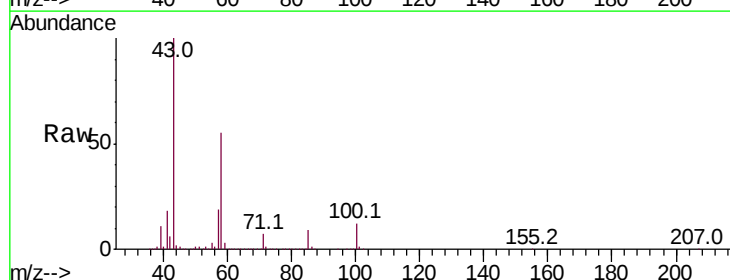
Manual Integrations
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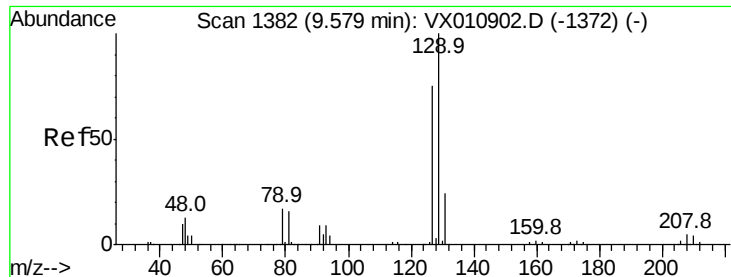
MMDadoda
 7/23/2019 11:12:18 AM



#59
 2-Hexanone
 Concen: 285.278 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.3	28.0	83.9





#60

Dibromochloromethane

Concen: 50.635 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion:129 Resp: 128093

Ion Ratio Lower Upper

129 100

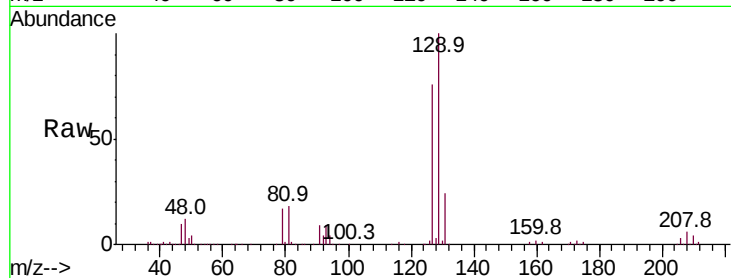
127 76.5 38.6 115.8

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

100000

80000

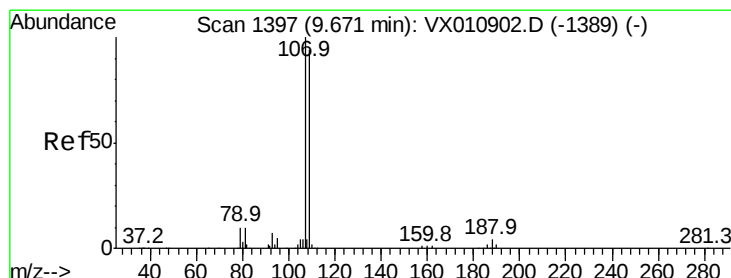
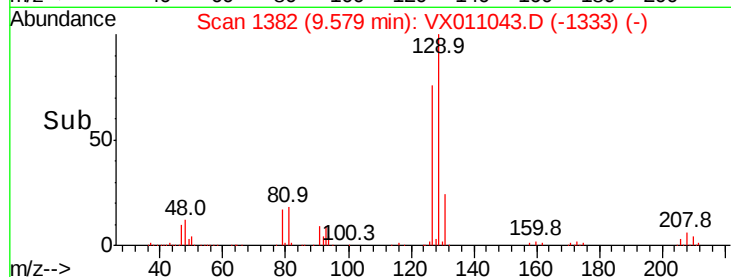
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 54.245 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011043.D

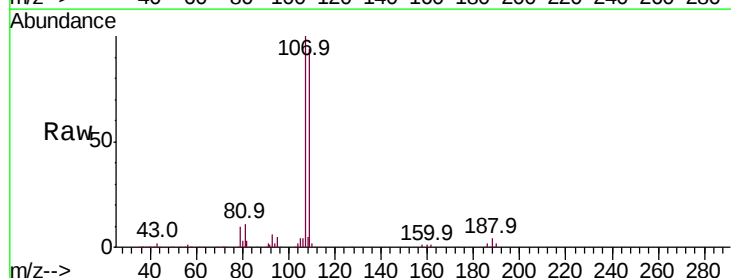
Acq: 22 Jul 2019 20:07

Tgt Ion:107 Resp: 126456

Ion Ratio Lower Upper

107 100

109 94.0 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

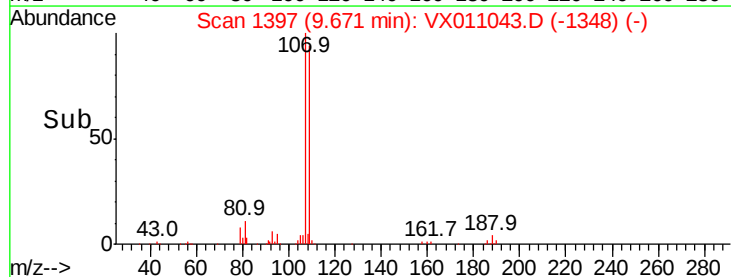
60000

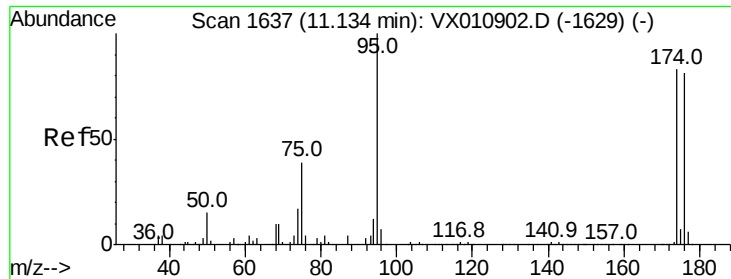
40000

20000

0

Time-->





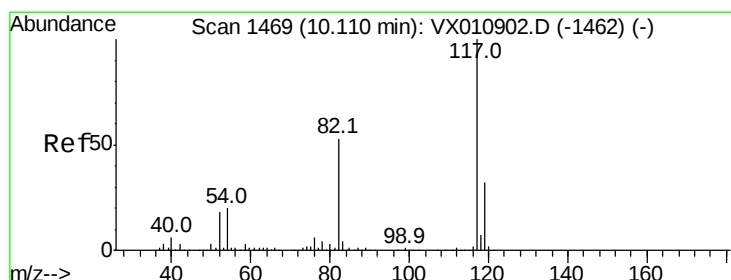
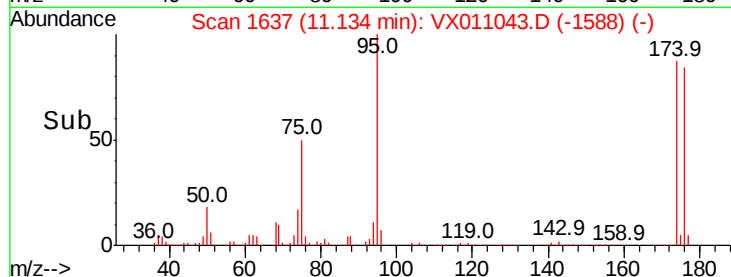
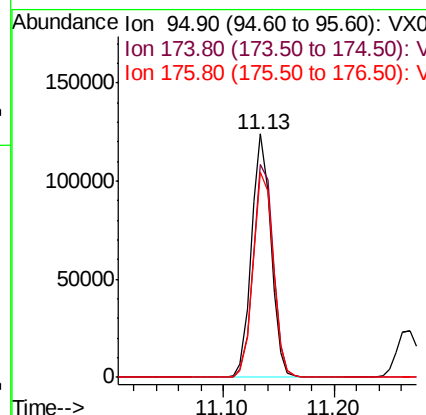
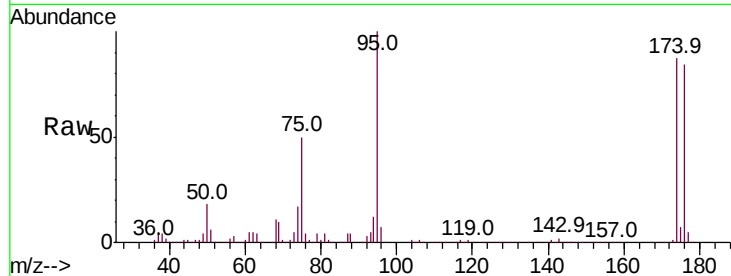
#62
4-Bromofluorobenzene
Concen: 53.209 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	150275		
174	90.9	0.0	180.6	
176	87.5	0.0	173.8	

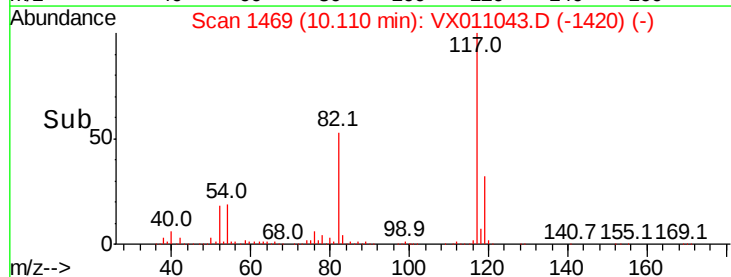
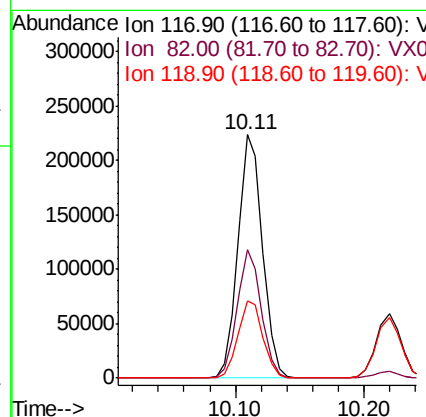
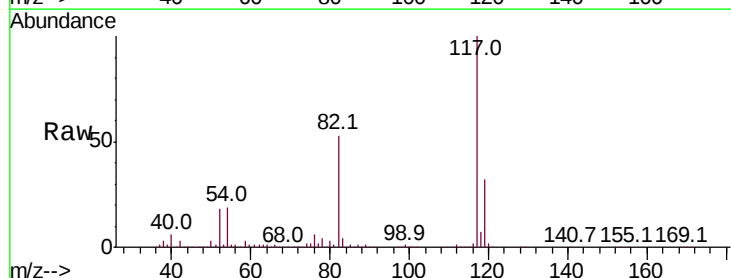
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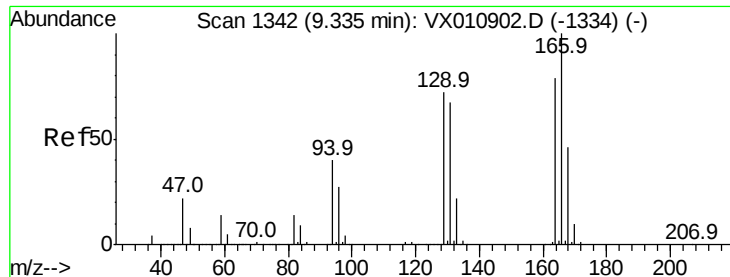
MMDadoda
7/23/2019 11:12:18 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	297894		
82	52.7	42.6	63.8	
119	32.0	25.9	38.9	





#64

Tetrachloroethene

Concen: 49.462 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011043.D

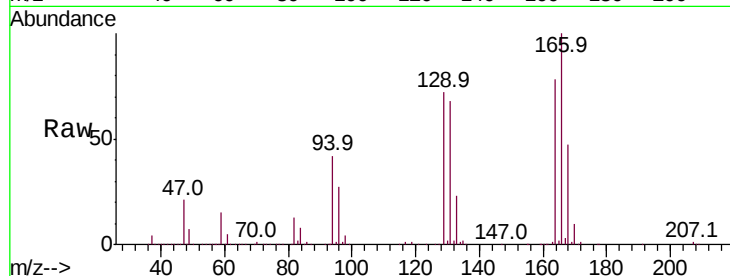
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.8	151.2
129	92.0	72.6	109.0
131	87.4	67.7	101.5

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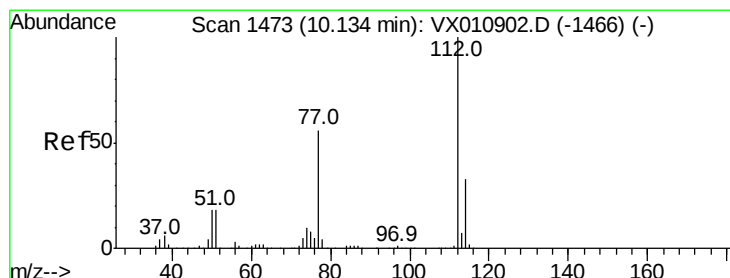
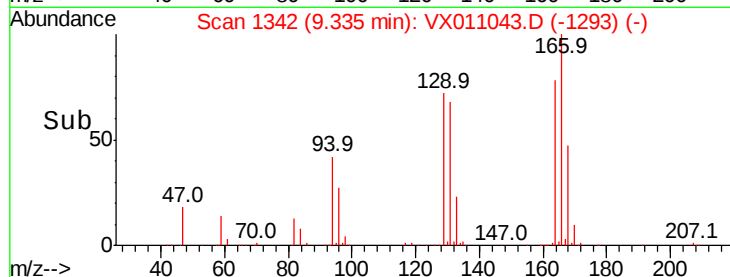
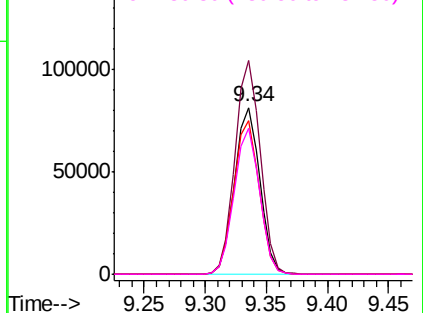
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 51.234 ug/l

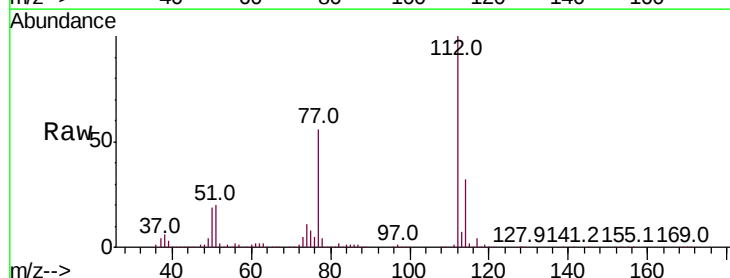
RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

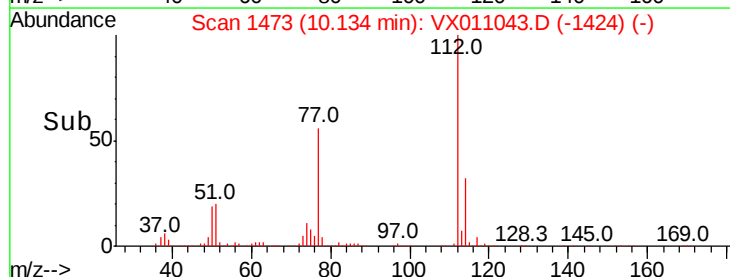
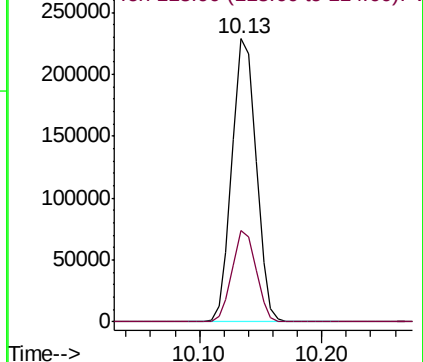
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.2	39.4

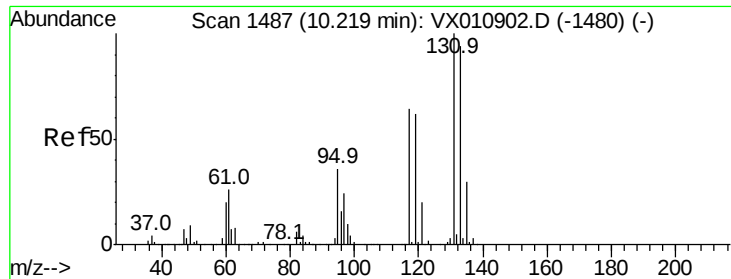


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 54.503 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

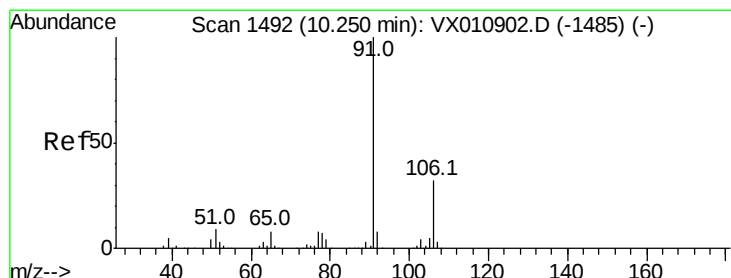
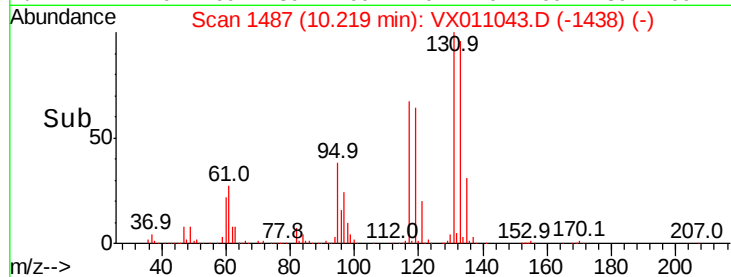
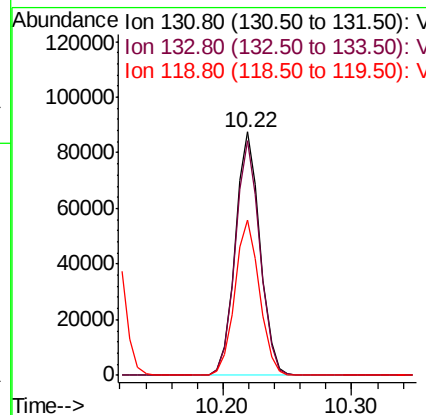
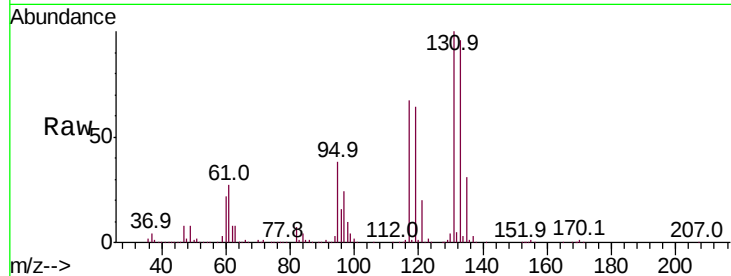
ClientSampleId :

SU19-MSW0620MS

Tot Ion:	131	Resp:	117201
Ion Ratio	Lower	Upper	
131	100		
133	96.1	47.1	141.4
119	64.0	31.9	95.7

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#67

Ethyl Benzene

Concen: 52.248 ug/l

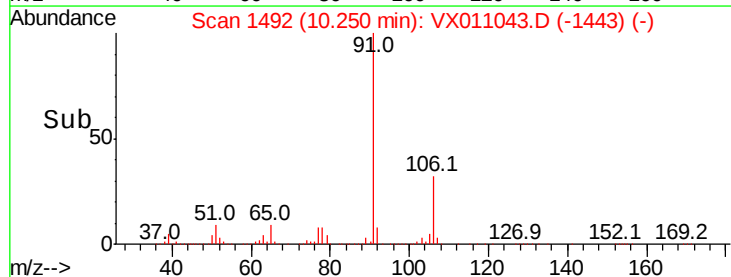
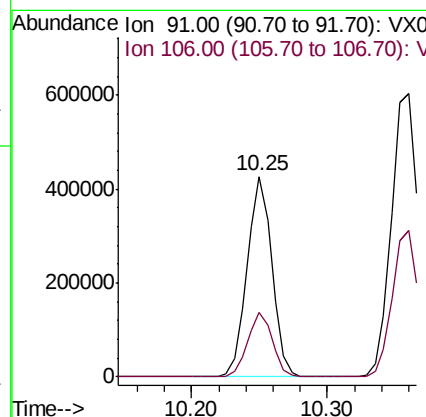
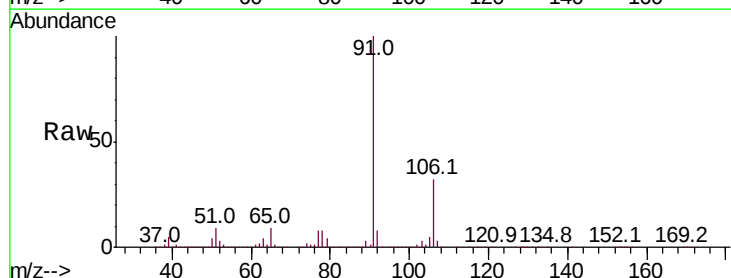
RT: 10.25 min Scan# 1492

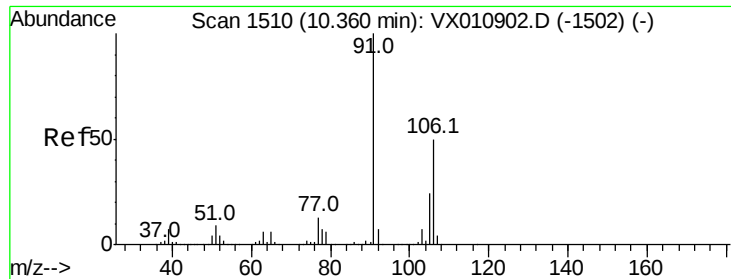
Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Tgt Ion:	91	Resp:	544130
Ion Ratio	Lower	Upper	
91	100		
106	31.9	25.4	38.2





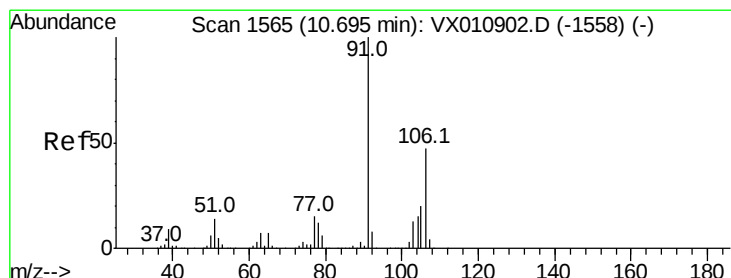
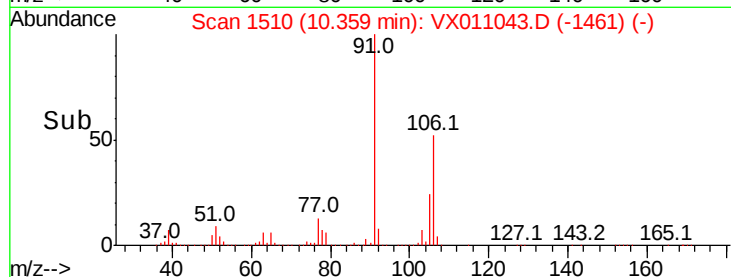
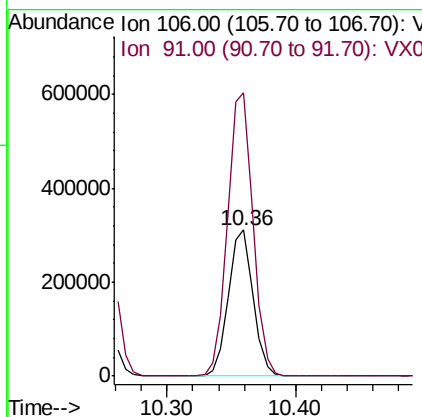
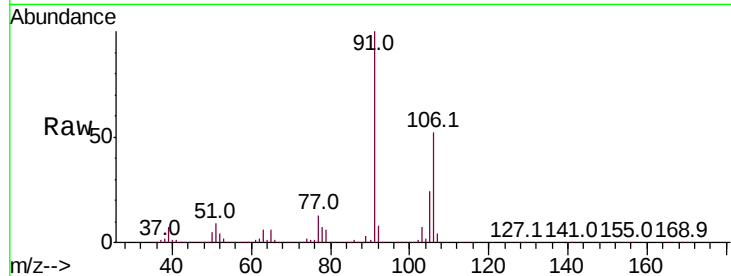
#68
m/p-Xylenes
Concen: 105.069 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion:106 Resp: 419740
Ion Ratio Lower Upper
106 100
91 199.6 160.1 240.1

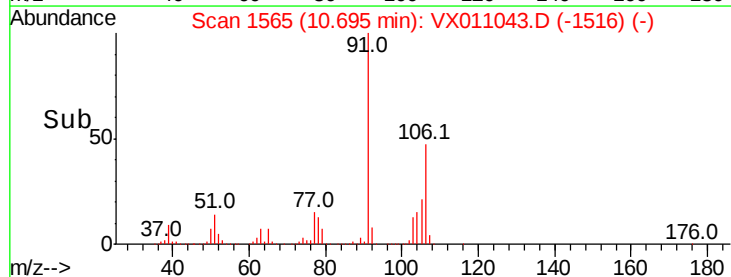
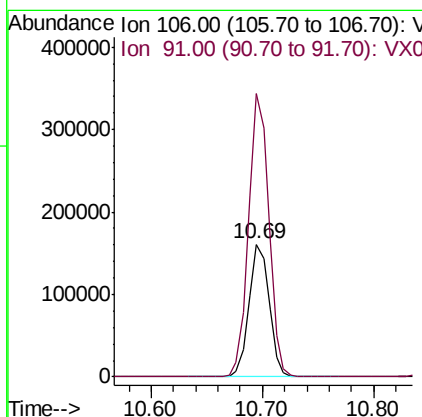
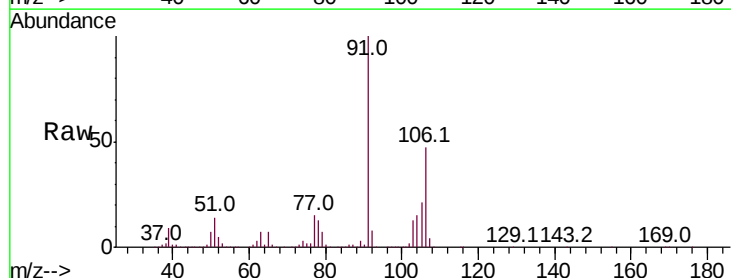
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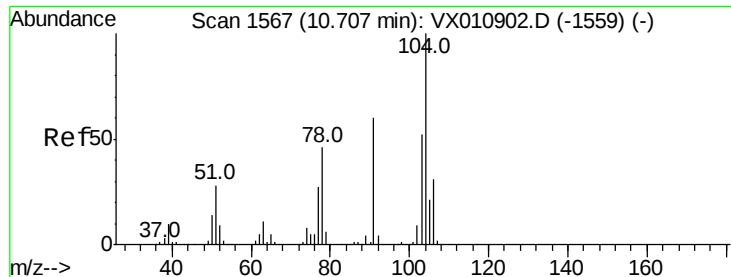
MMDadoda
7/23/2019 11:12:18 AM



#69
o-Xylene
Concen: 52.477 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion:106 Resp: 204596
Ion Ratio Lower Upper
106 100
91 212.9 105.1 315.3





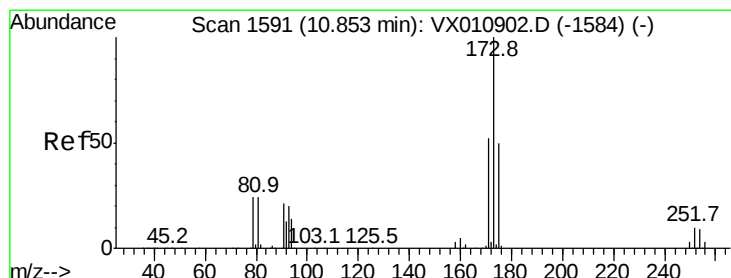
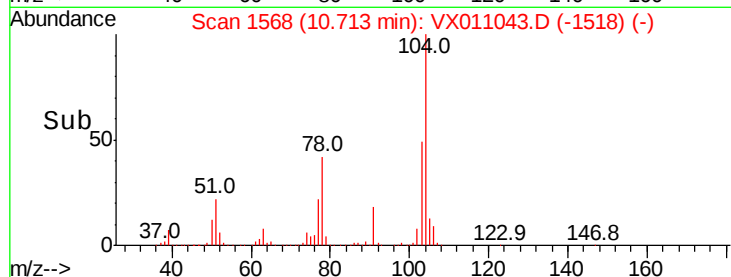
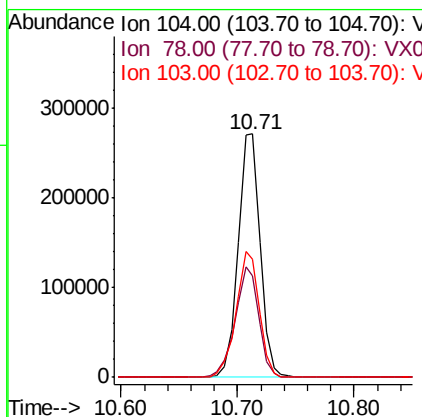
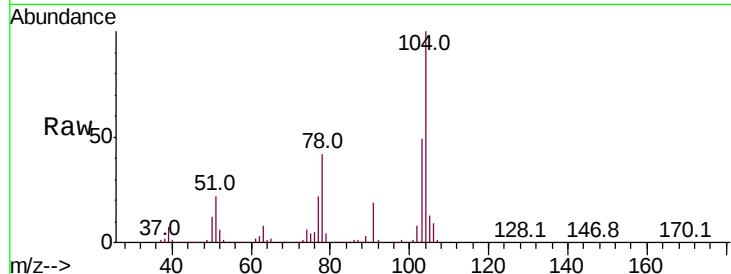
#70
Stvrene
Concen: 54.988 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.8	58.2
103	54.5	44.2	66.4

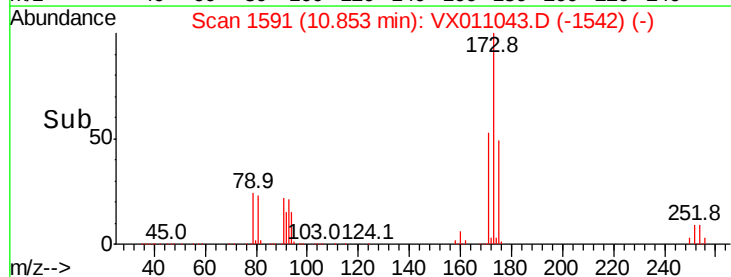
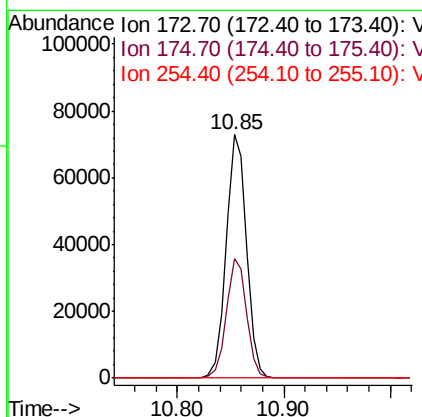
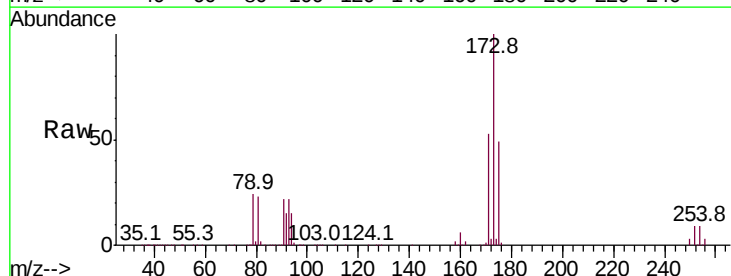
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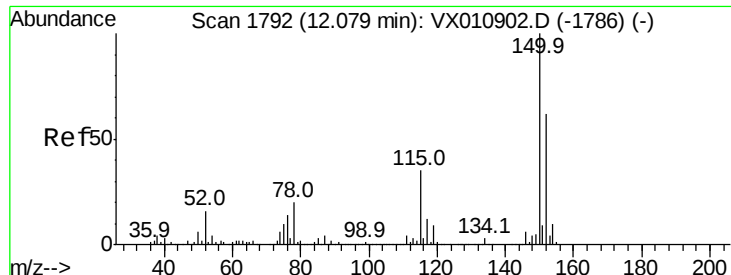
MMDadoda
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#71
Bromoform
Concen: 49.670 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.6
254	0.1	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: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion:152 Resp: 157726

Ion Ratio Lower Upper

152 100

115 82.3 39.7 119.1

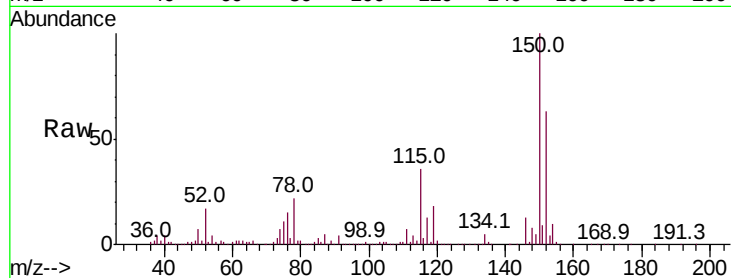
150 177.1 0.0 345.6

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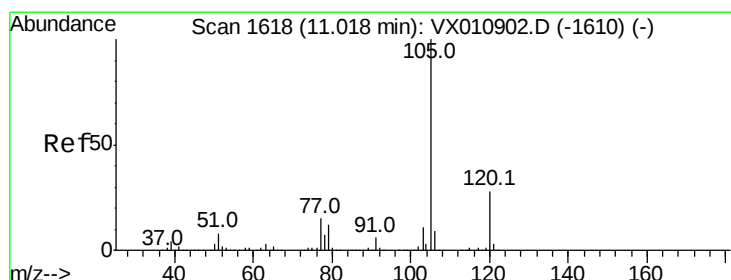
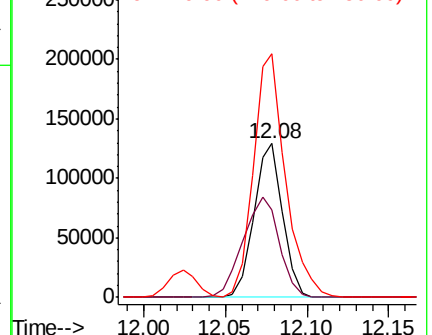
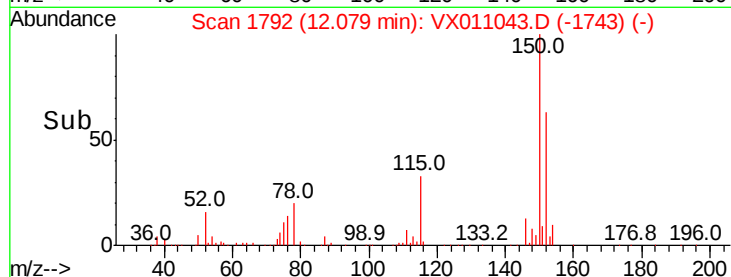
7/23/2019 11:12:18 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.735 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011043.D

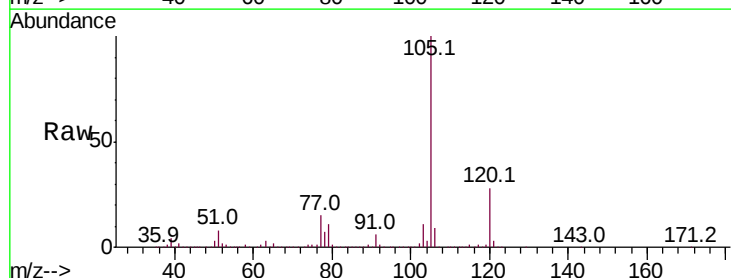
Acq: 22 Jul 2019 20:07

Tgt Ion:105 Resp: 551367

Ion Ratio Lower Upper

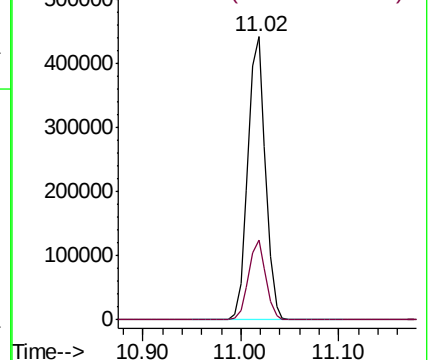
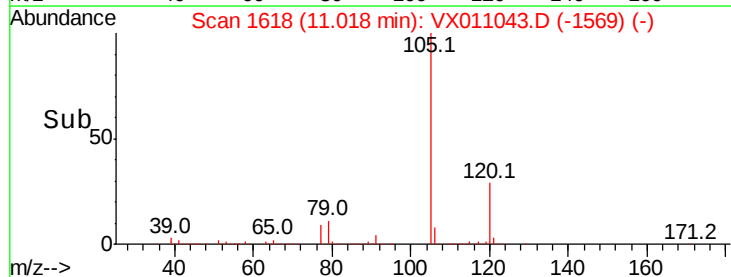
105 100

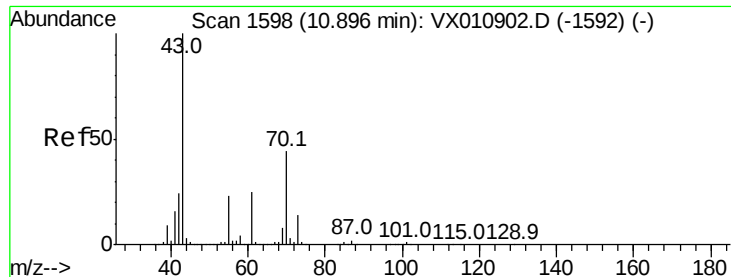
120 27.5 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 50.677 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

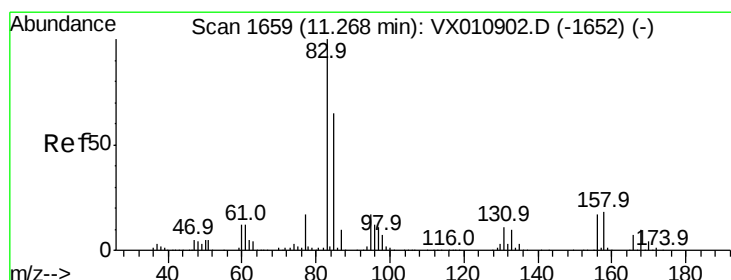
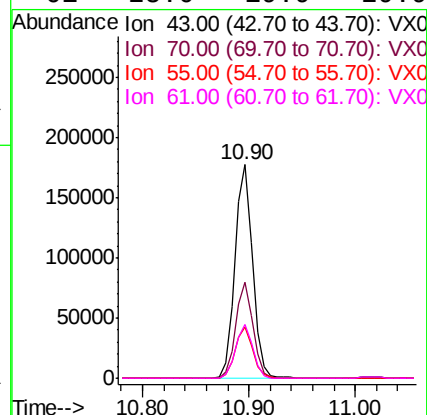
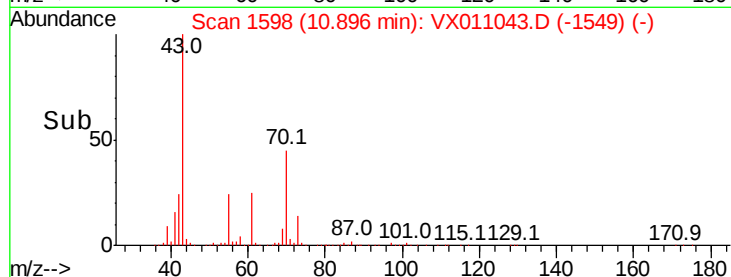
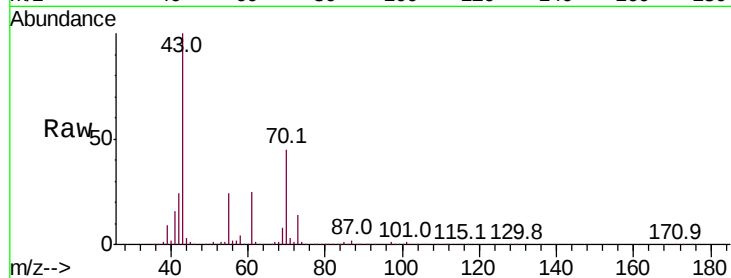
Instrument :
MSVOA_X

ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.7	52.1
55	24.5	19.1	28.7
61	25.0	19.9	29.9

Manual Integrations
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7/23/2019 11:12:18 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 53.755 ug/l

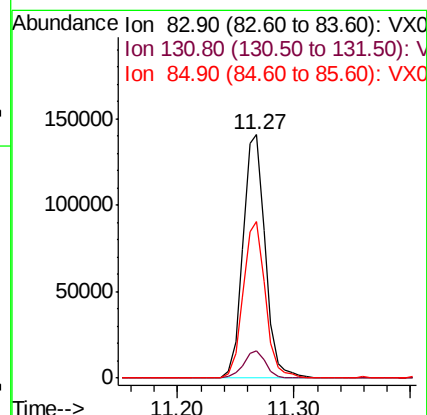
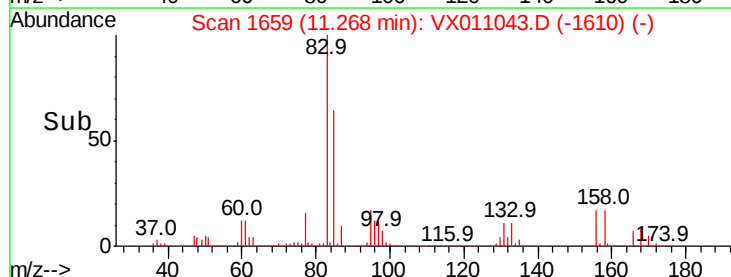
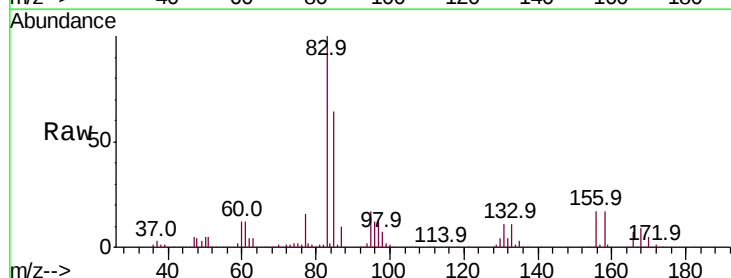
RT: 11.27 min Scan# 1659

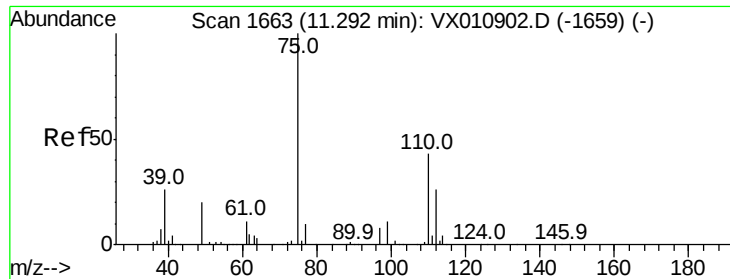
Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.4	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 55.576 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 75 Resp: 158184

Ion Ratio Lower Upper

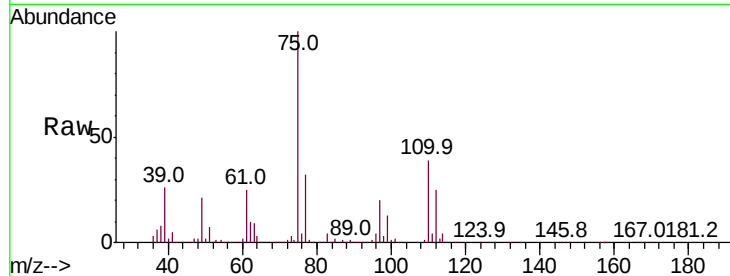
75 100

77 42.3 21.3 64.0

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

150000

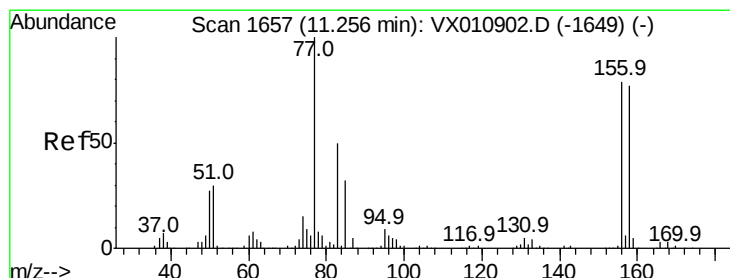
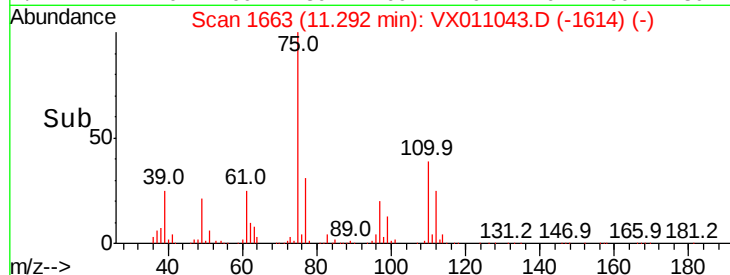
100000

50000

0

11.26 11.28 11.30

Time-->



#77

Bromobenzene

Concen: 52.094 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

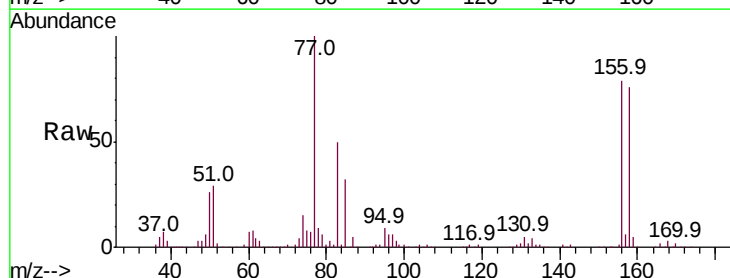
Tgt Ion: 156 Resp: 153142

Ion Ratio Lower Upper

156 100

77 137.6 68.7 206.1

158 96.4 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

200000

150000

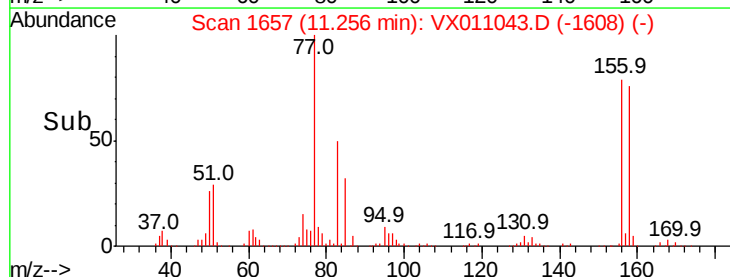
100000

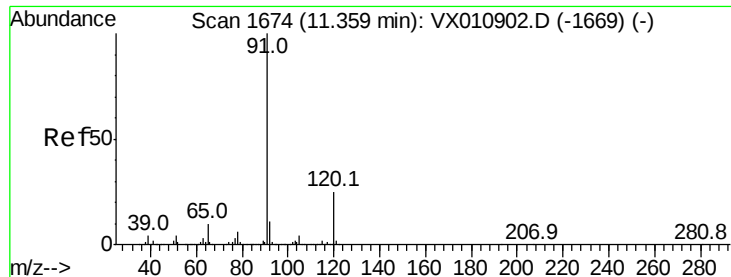
50000

0

11.20 11.26 11.30

Time-->





#78

n-propylbenzene

Concen: 52.483 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 91 Resp: 618019

Ion Ratio Lower Upper

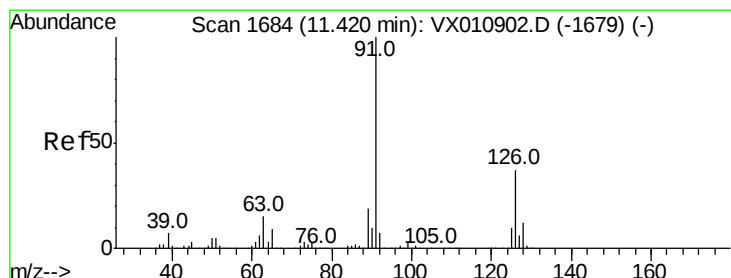
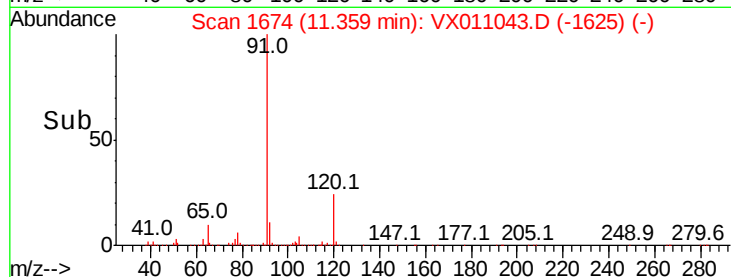
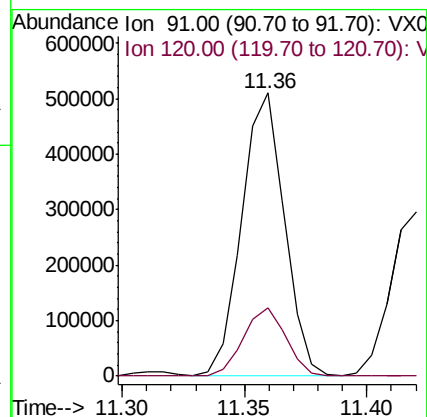
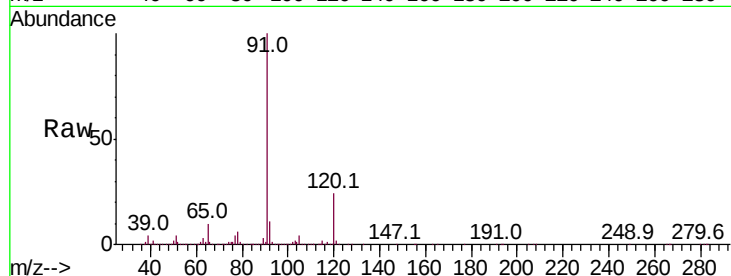
91 100

120 24.3 12.3 36.8

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#79

2-Chlorotoluene

Concen: 52.533 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011043.D

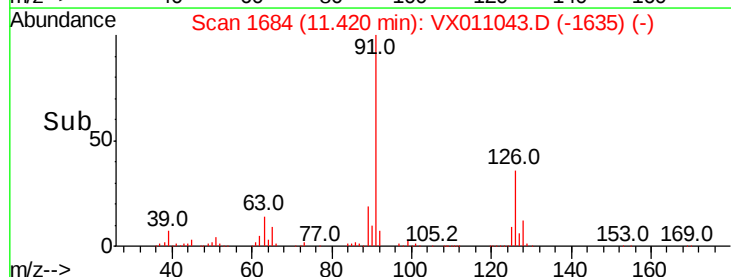
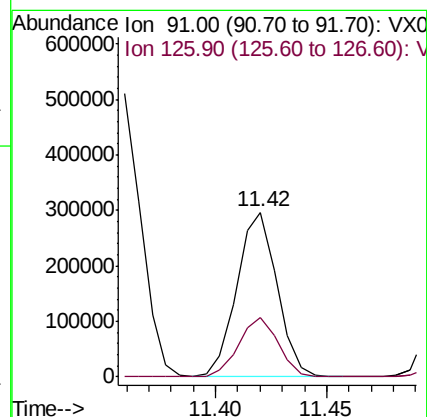
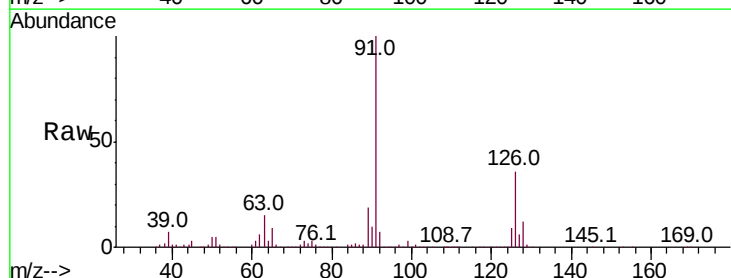
Acq: 22 Jul 2019 20:07

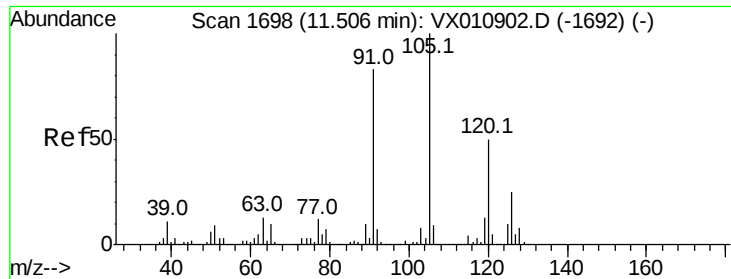
Tgt Ion: 91 Resp: 371617

Ion Ratio Lower Upper

91 100

126 35.9 18.0 54.0





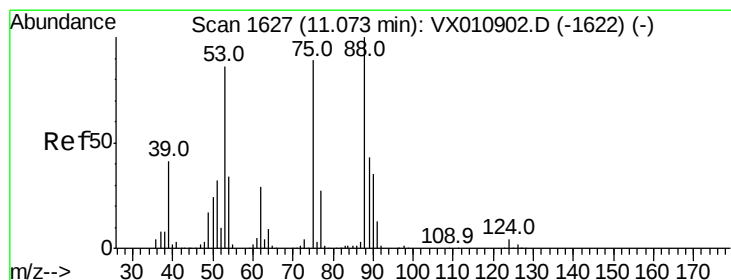
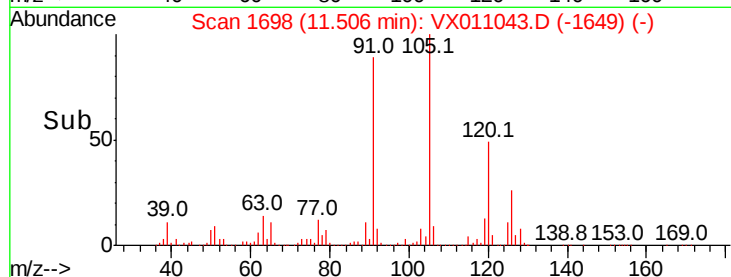
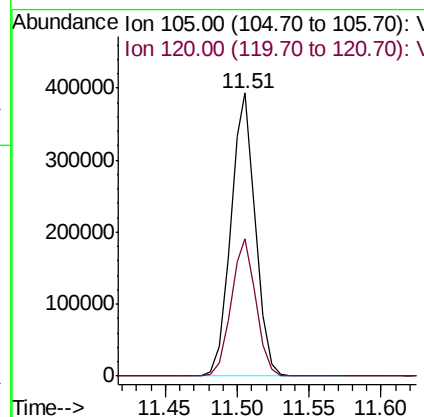
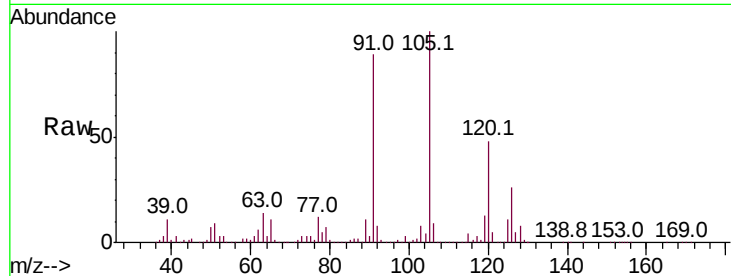
#80
 1,3,5-Trimethylbenzene
 Concen: 52.709 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Tot Ion:105 Resp: 469393
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.6 73.8

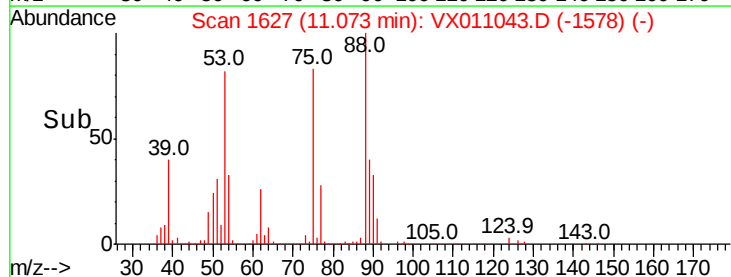
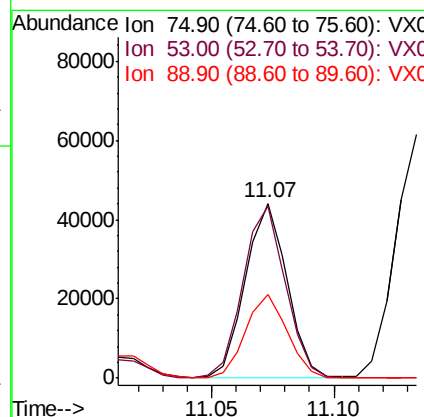
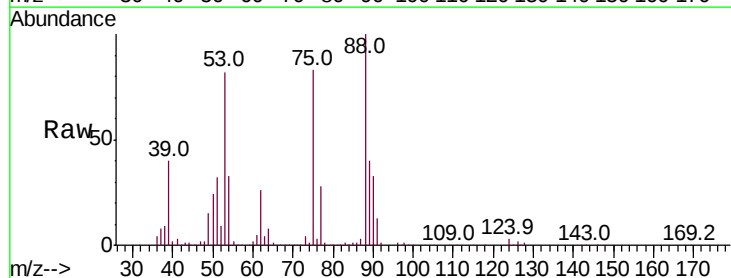
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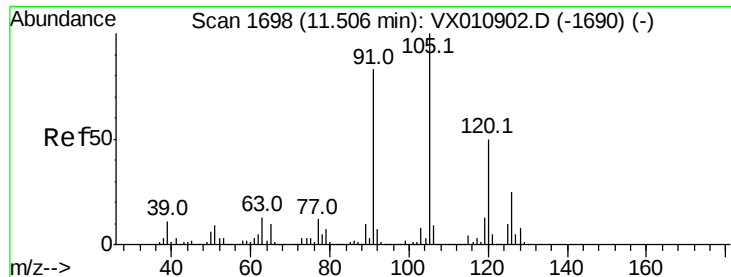
MMDadoda
 7/23/2019 11:12:18 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.690 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Tgt Ion: 75 Resp: 52131
 Ion Ratio Lower Upper
 75 100
 53 100.6 76.7 115.1
 89 48.7 38.5 57.7





#82

4-Chlorotoluene

Concen: 52.915 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 91 Resp: 435663

Ion Ratio Lower Upper

91 100

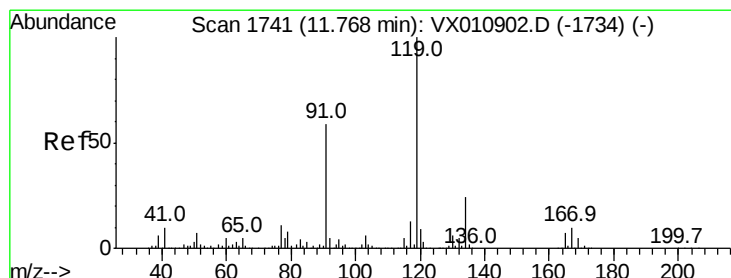
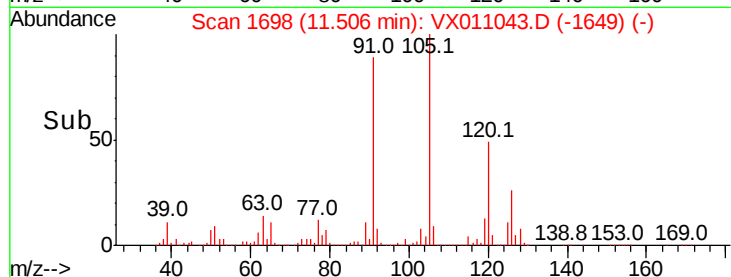
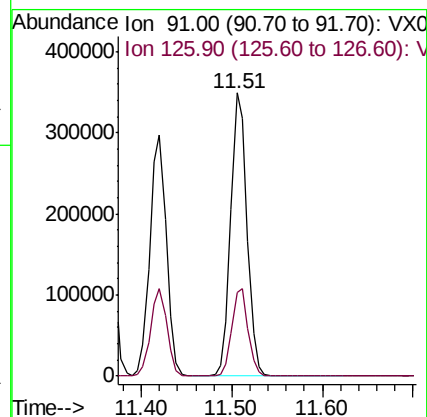
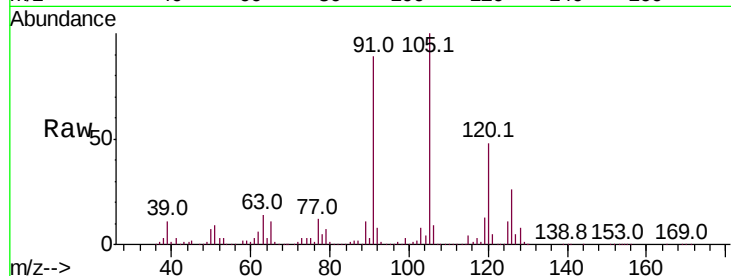
126 30.6 15.9 47.7

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#83

tert-Butylbenzene

Concen: 53.345 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

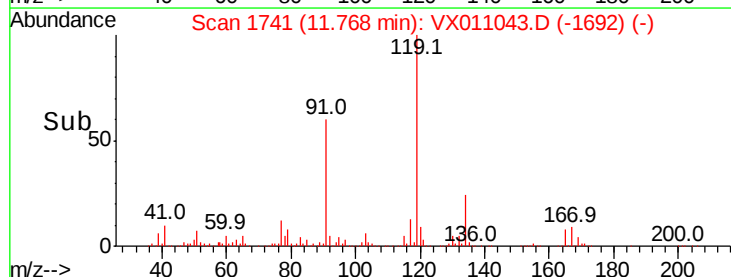
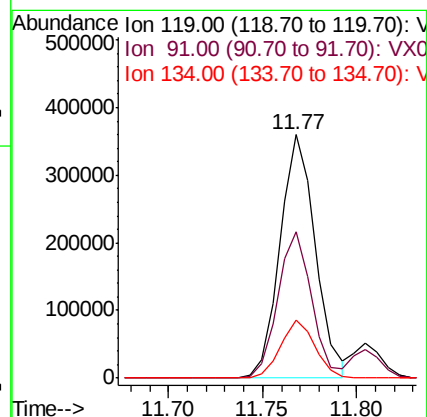
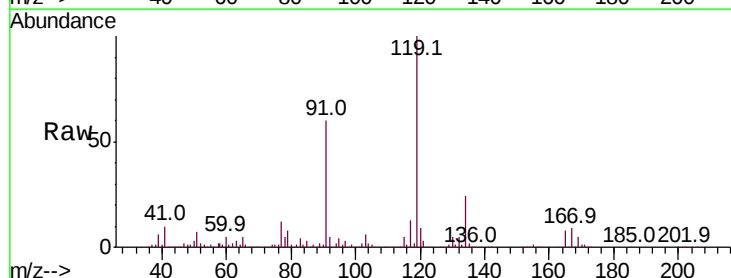
Tgt Ion: 119 Resp: 466625

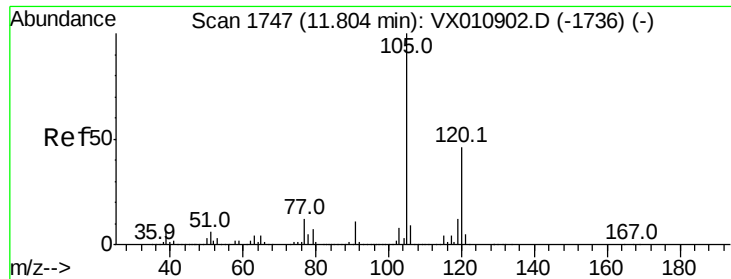
Ion Ratio Lower Upper

119 100

91 58.1 28.6 85.8

134 23.1 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 53.019 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion:105 Resp: 475890

Ion Ratio Lower Upper

105 100

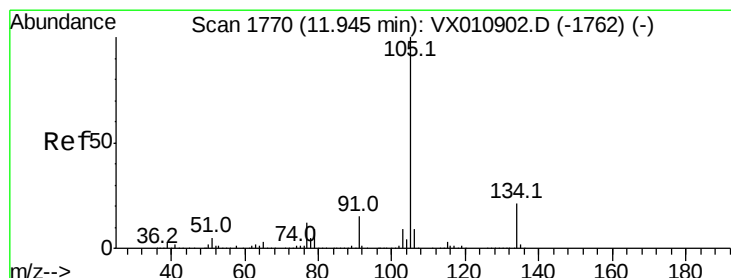
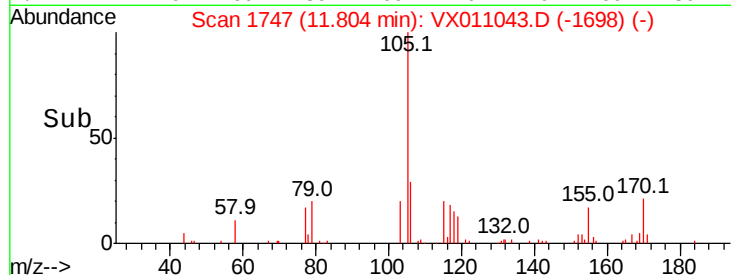
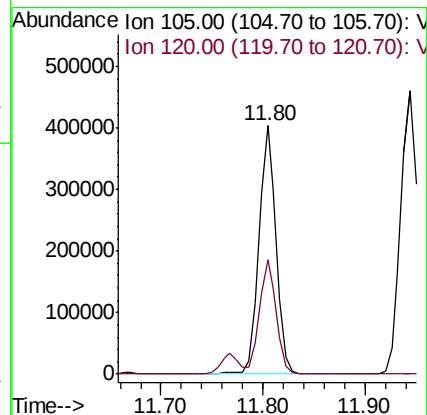
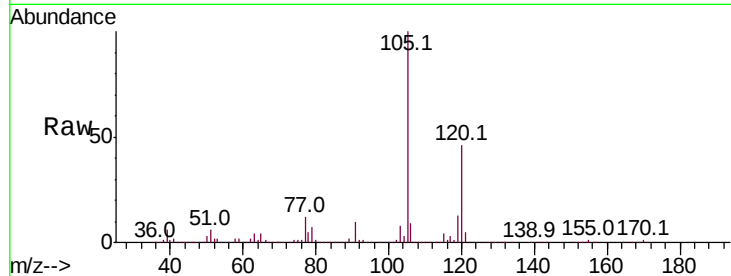
120 45.7 22.9 68.5

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#85

sec-Butylbenzene

Concen: 53.146 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011043.D

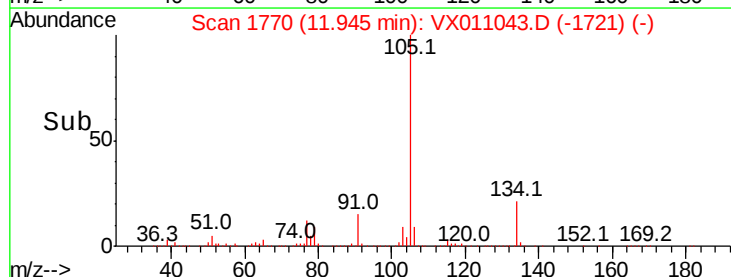
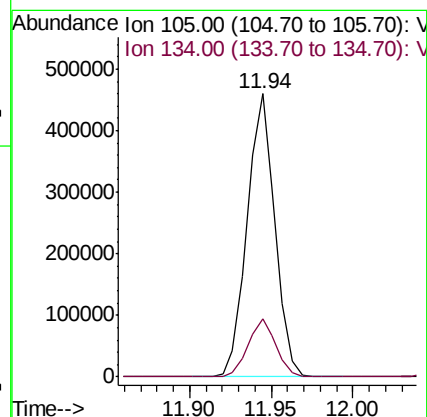
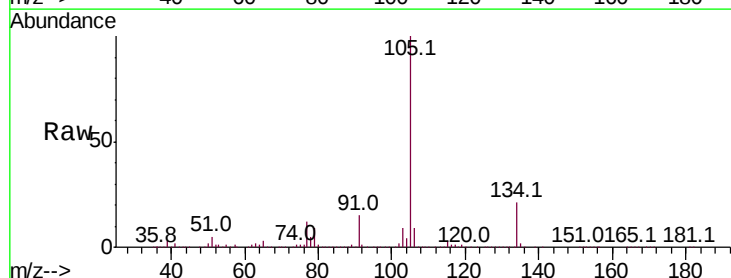
Acq: 22 Jul 2019 20:07

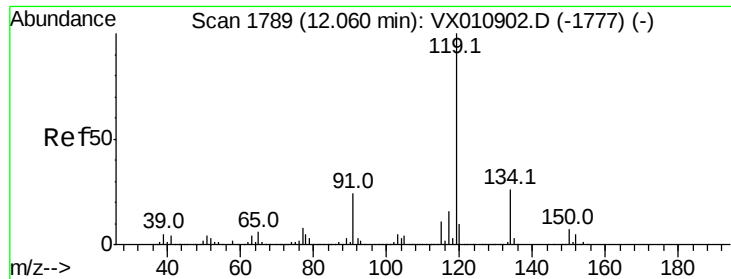
Tgt Ion:105 Resp: 544731

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4





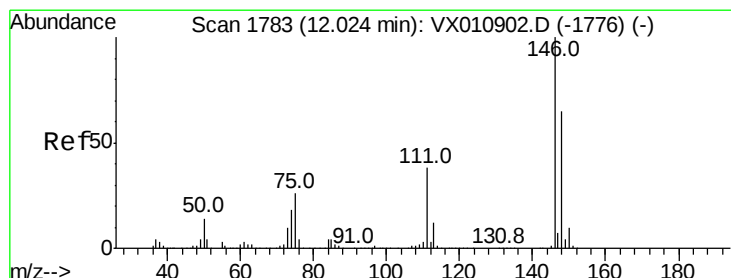
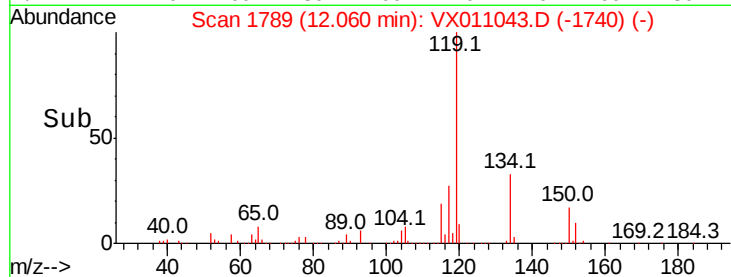
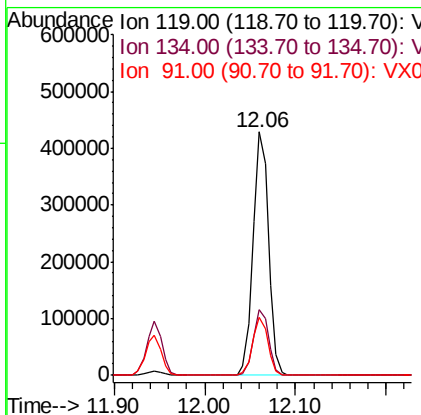
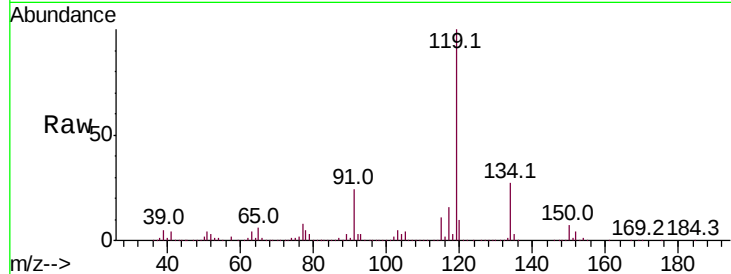
#86
p-Isopropyltoluene
Concen: 53.480 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	506761		
134	26.8		13.4	40.1
91	23.5		11.8	35.4

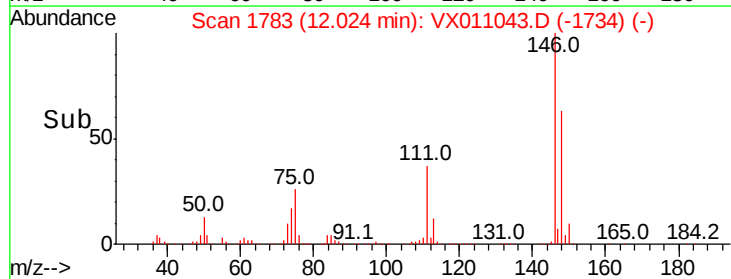
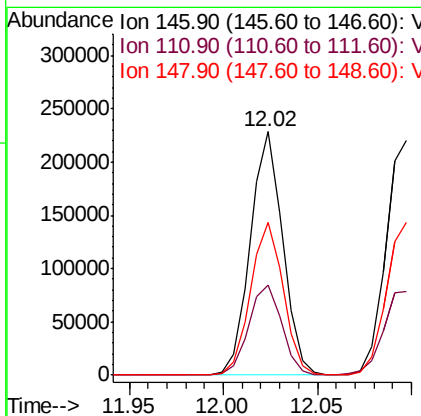
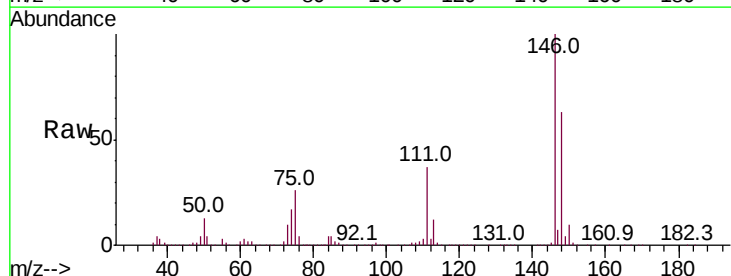
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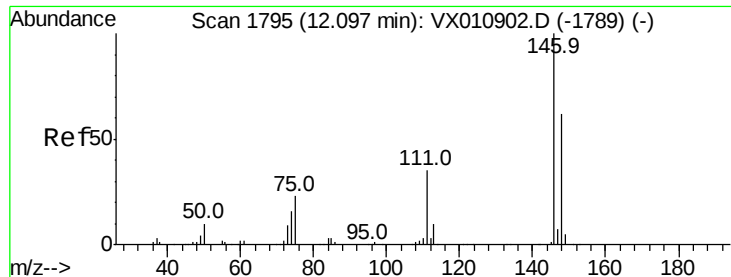
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#87
1,3-Dichlorobenzene
Concen: 53.369 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX011043.D
Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	272269		
111	38.1		18.9	56.9
148	63.6		32.2	96.6





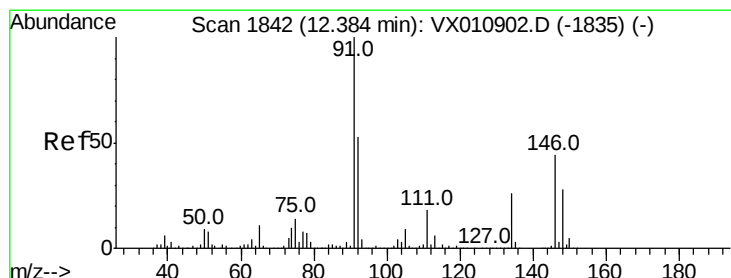
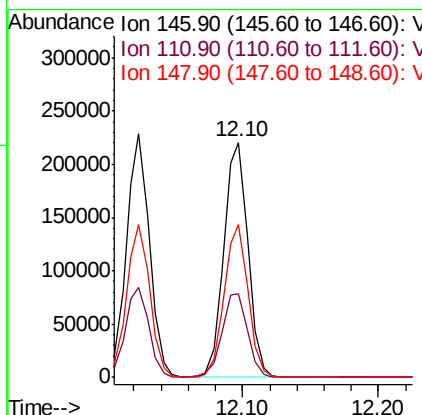
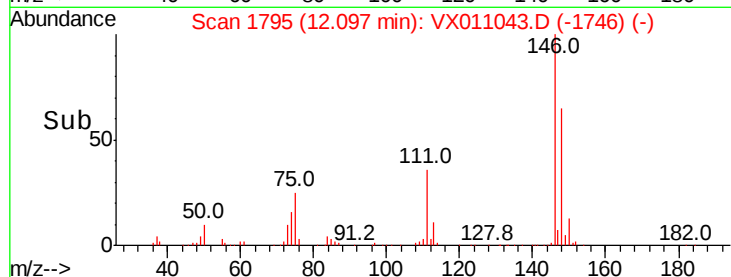
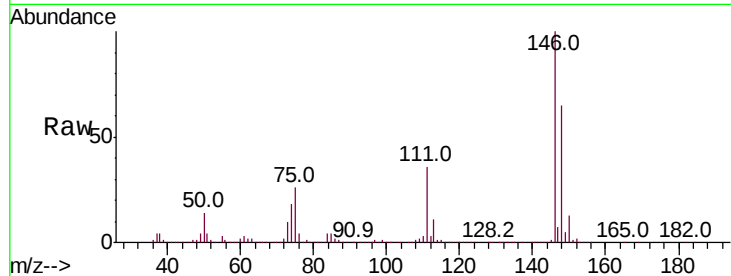
#88
 1,4-Dichlorobenzene
 Concen: 51.569 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	269820		
111	37.8	18.6	55.8	
148	64.4	31.6	94.7	

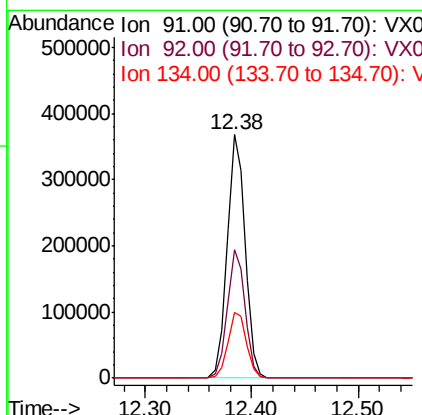
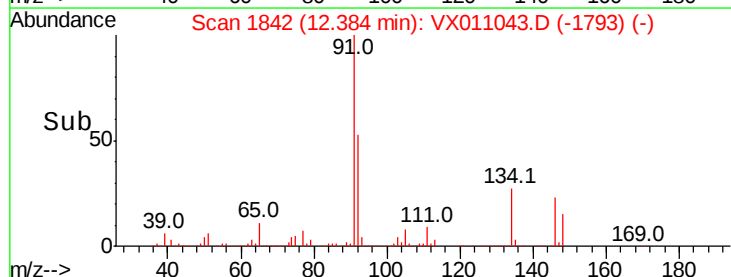
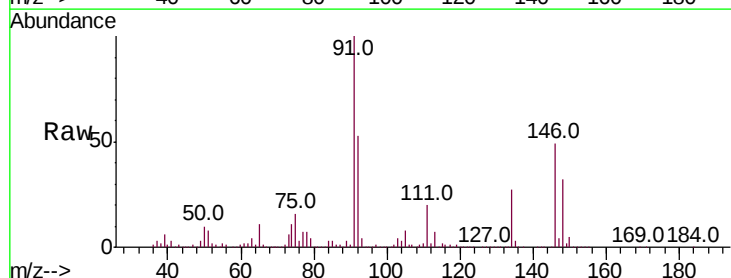
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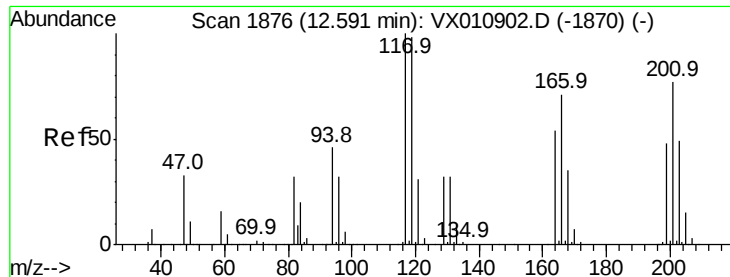
MMDadoda
 7/23/2019 11:12:18 AM



#89
 n-Butylbenzene
 Concen: 53.569 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	434267		
92	52.2	26.2	78.5	
134	27.7	13.8	41.3	





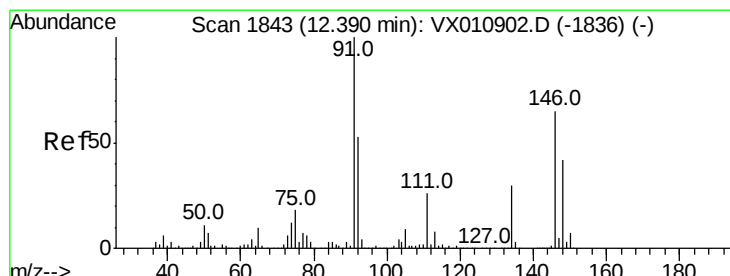
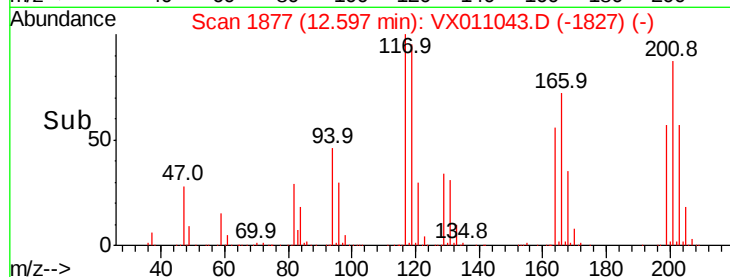
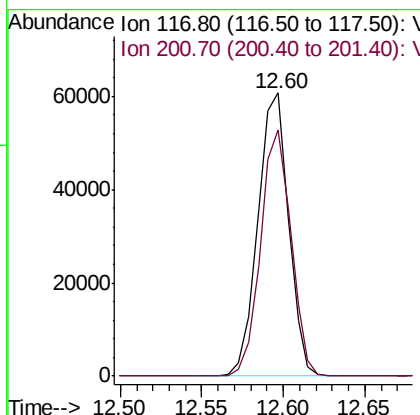
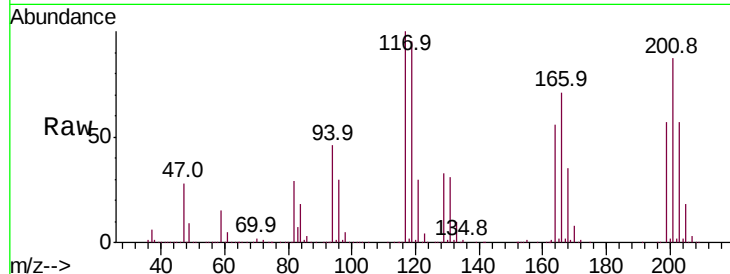
#90
 Hexachloroethane
 Concen: 53.361 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Tot Ion:117 Resp: 79752
 Ion Ratio Lower Upper
 117 100
 201 85.8 43.3 129.8

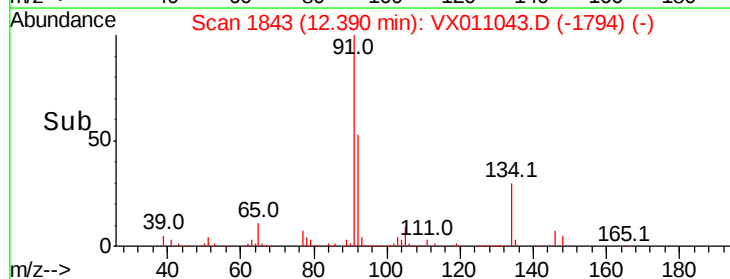
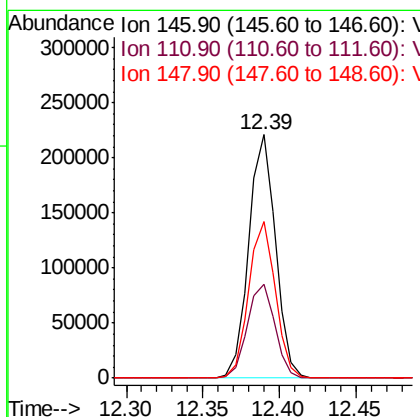
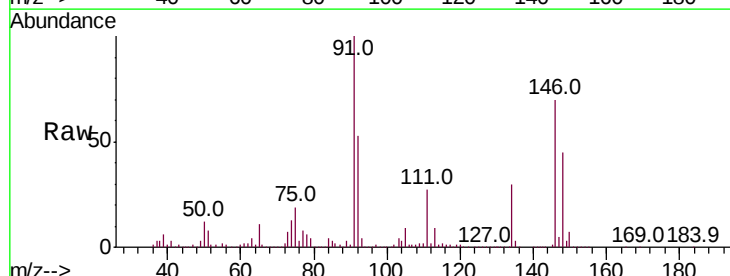
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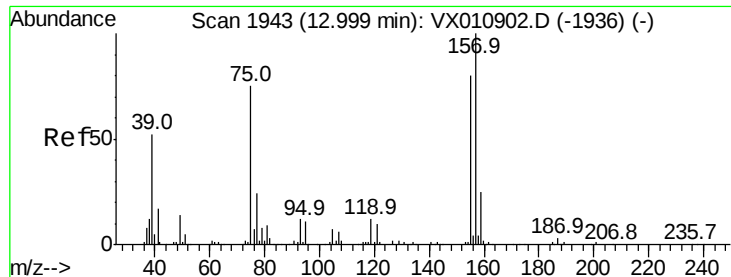
MMDadoda
 7/23/2019 11:12:18 AM



#91
 1,2-Dichlorobenzene
 Concen: 53.149 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Tgt Ion:146 Resp: 268726
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.9 59.7
 148 64.3 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 57.519 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MS

Tot Ion: 75 Resp: 41934

Ion Ratio Lower Upper

75 100

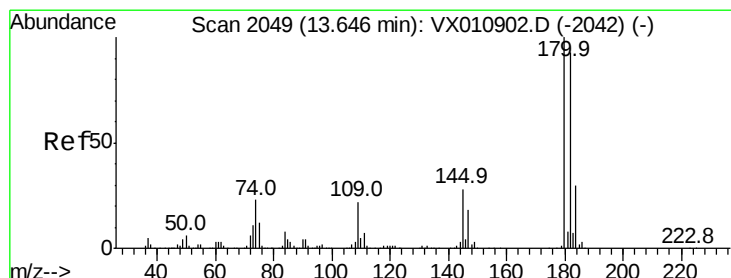
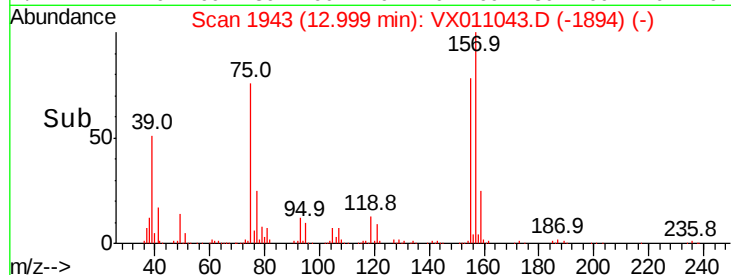
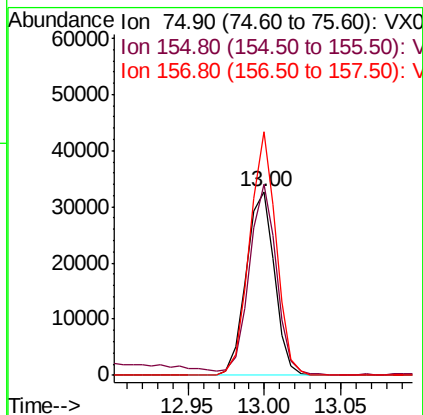
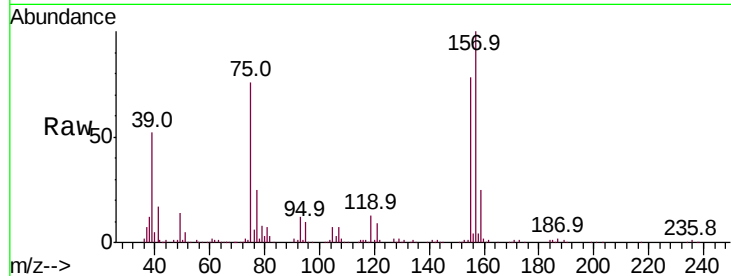
155 98.9 48.7 146.1

157 124.3 62.5 187.6

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#93

1,2,4-Trichlorobenzene

Concen: 53.786 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

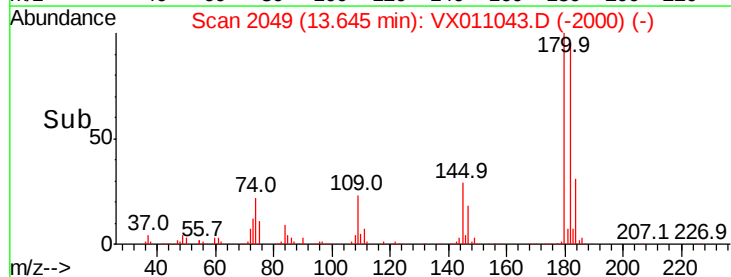
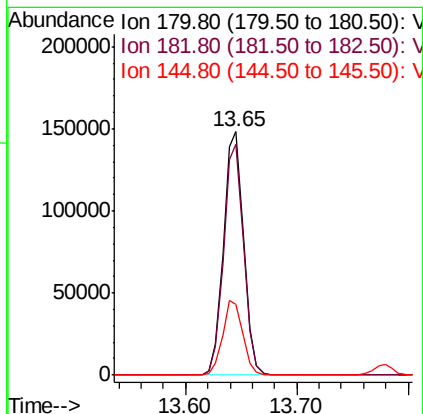
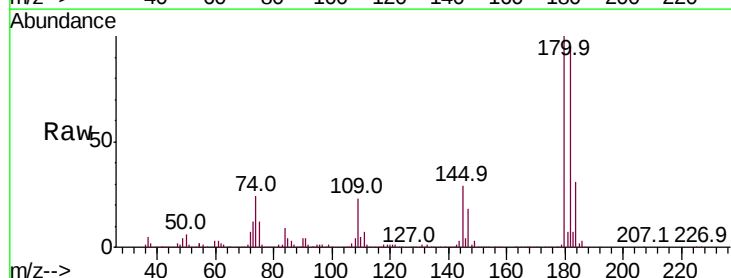
Tgt Ion: 180 Resp: 184303

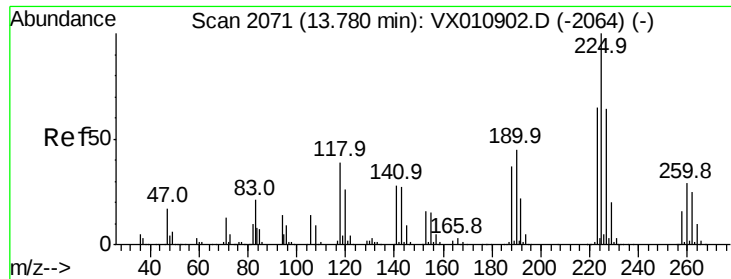
Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.3

145 30.7 14.8 44.4





#94

Hexachlorobutadiene

Concen: 49.823 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Instrument :

MSVOA_X

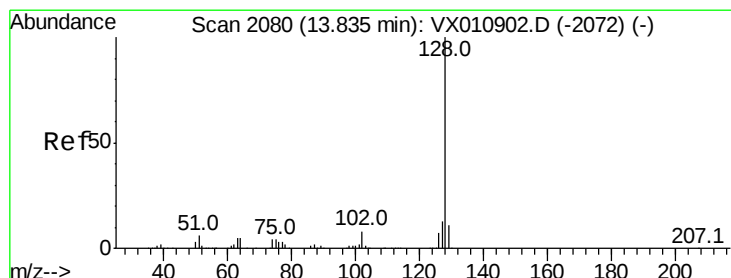
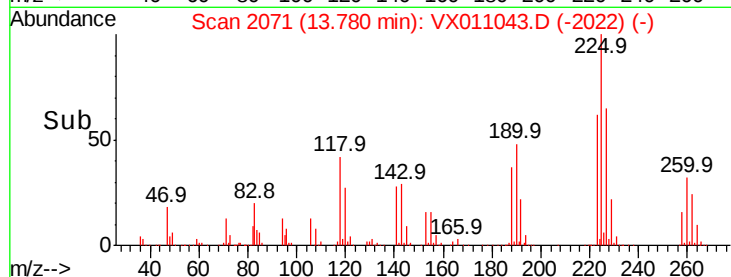
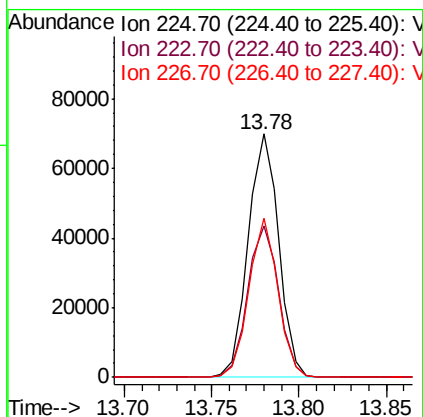
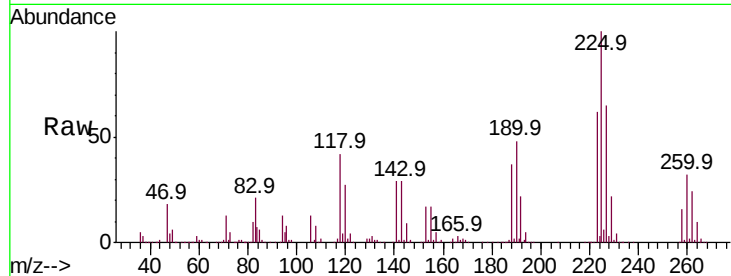
ClientSampleId :

SU19-MSW0620MS

Tot Ion:	225	Resp:	84601
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.9	95.9
227	61.9	32.5	97.4

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#95

Naphthalene

Concen: 57.612 ug/l

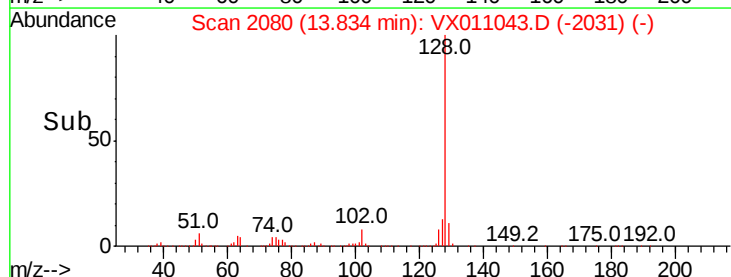
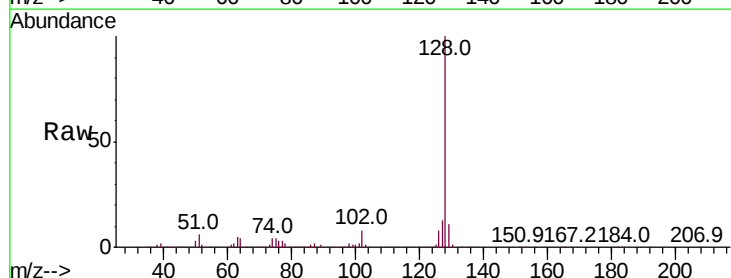
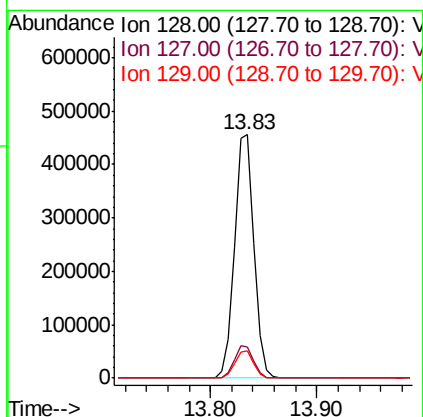
RT: 13.83 min Scan# 2080

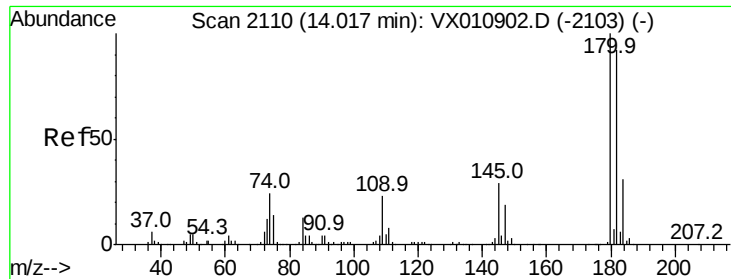
Delta R.T. -0.00 min

Lab File: VX011043.D

Acq: 22 Jul 2019 20:07

Tgt Ion:	128	Resp:	582948
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.0	8.9	13.3





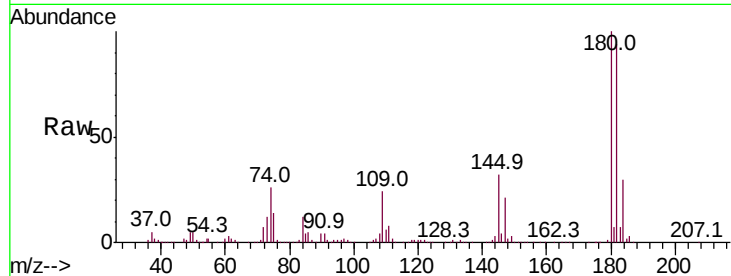
#96
 1,2,3-Trichlorobenzene
 Concen: 54.654 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX011043.D
 Acq: 22 Jul 2019 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.5	47.4	142.3
145	31.8	15.1	45.3

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

