

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001900.D
 Acq On : 22 May 2018 18:17
 Operator : JC/MD
 Sample : J2988-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:45 AM

Quant Time: May 23 08:27:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323439	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	178142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	167502	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	5.51	113	144507	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	8.72	98	507832	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.14	95	169956	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	107656	43.81	ug/l	99
3) Chloromethane	1.32	50	133690	50.36	ug/l	100
4) Vinyl Chloride	1.40	62	137749	48.00	ug/l	99
5) Bromomethane	1.64	94	60424	50.03	ug/l	99
6) Chloroethane	1.72	64	97521	53.95	ug/l	98
7) Trichlorofluoromethane	1.92	101	203895	48.89	ug/l	98
8) Diethyl Ether	2.19	74	89888	52.37	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	119398	47.56	ug/l	100
10) Methyl Iodide	2.51	142	172944	74.88	ug/l	99
11) Tert butyl alcohol	3.09	59	191868	329.27	ug/l	99
12) 1,1-Dichloroethene	2.37	96	113256	46.80	ug/l	98
13) Acrolein	2.30	56	70843	171.42	ug/l	97
14) Allyl chloride	2.73	41	242023	54.10	ug/l	98
15) Acrylonitrile	3.15	53	434647	296.98	ug/l	100
16) Acetone	2.45	43	380994	295.55	ug/l	98
17) Carbon Disulfide	2.57	76	250823	39.73	ug/l	98
18) Methyl Acetate	2.78	43	241758	64.15	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	442920	54.30	ug/l	100
20) Methylene Chloride	2.86	84	138913	50.34	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	126143	47.31	ug/l	98
22) Diisopropyl ether	3.88	45	471225	54.91	ug/l	97
23) Vinyl Acetate	3.83	43	1566072	253.28	ug/l	98
24) 1,1-Dichloroethane	3.70	63	248864	52.88	ug/l	99
25) 2-Butanone	4.72	43	644764	326.69	ug/l	98
26) 2,2-Dichloropropane	4.59	77	186865	49.32	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	166595	54.91	ug/l	99
28) Bromochloromethane	5.03	49	132508	63.38	ug/l	97
29) Tetrahydrofuran	5.18	42	412284	320.47	ug/l	98
30) Chloroform	5.22	83	273379	55.30	ug/l	99
31) Cyclohexane	5.57	56	203556	49.34	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	232513	54.43	ug/l	99
36) 1,1-Dichloropropene	5.80	75	181655	48.79	ug/l	99
37) Ethyl Acetate	4.88	43	230682	59.45	ug/l	99
38) Carbon Tetrachloride	5.79	117	206450	52.93	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	207707	47.75	ug/l	99
40) Benzene	6.15	78	584990	53.33	ug/l	100
41) Methacrylonitrile	5.07	41	136677	60.91	ug/l	98
42) 1,2-Dichloroethane	6.21	62	217787	54.89	ug/l	100
43) Isopropyl Acetate	6.48	43	355854	58.60	ug/l	99
44) Trichloroethene	7.22	130	181941	53.44	ug/l	99
45) 1,2-Dichloropropane	7.52	63	151844	56.41	ug/l	99
46) Dibromomethane	7.67	93	102771	54.37	ug/l	99
47) Bromodichloromethane	7.90	83	203781	58.10	ug/l	100
48) Methyl methacrylate	7.79	41	196111	61.35	ug/l	98
49) 1,4-Dioxane	7.77	88	87660	1424.25	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1239567	322.08	ug/l	100
52) Toluene	8.79	92	382255	54.23	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	226819	54.96	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	202993	55.80	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	145736	54.09	ug/l	98
56) Ethyl methacrylate	9.19	69	214948	56.25	ug/l	99
57) 1,3-Dichloropropane	9.38	76	239078	53.00	ug/l	100
59) 2-Hexanone	9.51	43	876496	318.14	ug/l	99
60) Dibromochloromethane	9.59	129	156400	56.68	ug/l	100
61) 1,2-Dibromoethane	9.68	107	150725	53.43	ug/l	99
64) Tetrachloroethene	9.34	164	228153	64.30	ug/l	96
65) Chlorobenzene	10.15	112	392901	52.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	152217	57.49	ug/l	99
67) Ethyl Benzene	10.26	91	644145	53.76	ug/l	99
68) m/p-Xylenes	10.37	106	513005	108.52	ug/l	100
69) o-Xylene	10.71	106	253370	55.97	ug/l	100
70) Stvrene	10.72	104	405029	54.24	ug/l	99
71) Bromoform	10.87	173	130452	52.76	ug/l	100
73) Isopropylbenzene	11.02	105	674679	57.51	ug/l	100
74) N-amyl acetate	6.48	43	355854	63.27	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	212907	60.50	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	206852m	61.06	ug/l	
77) Bromobenzene	11.26	156	193203	56.04	ug/l	99
78) n-propylbenzene	11.37	91	734636	55.58	ug/l	99
79) 2-Chlorotoluene	11.43	91	445983	56.42	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	556293	57.80	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	58157	51.09	ug/l	97
82) 4-Chlorotoluene	11.52	91	511840	54.96	ug/l	99
83) tert-Butylbenzene	11.77	119	574590	59.99	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	577876	57.98	ug/l	100
85) sec-Butylbenzene	11.95	105	668192	56.52	ug/l	100
86) p-Isopropyltoluene	12.07	119	617526	56.45	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	342958	53.80	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	345847	52.46	ug/l	100
89) n-Butylbenzene	12.40	91	484254	51.18	ug/l	100
90) Hexachloroethane	12.60	117	101440	59.70	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	356134	56.07	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50067	66.66	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	258511	51.06	ug/l	100

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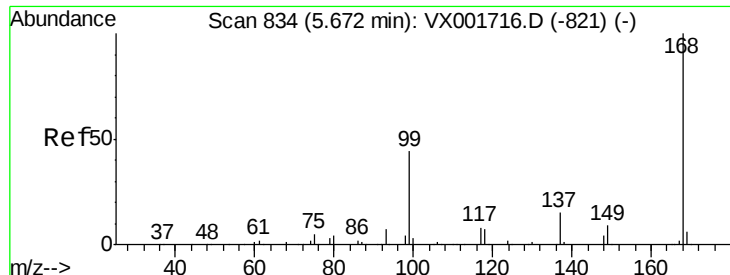
Manual Integrations
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Quant Time: May 23 08:27:27 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	132526	48.75	ug/l	98
95) Naphthalene	13.84	128	778054	59.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	274873	53.91	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion:168 Resp: 244865

Ion Ratio Lower Upper

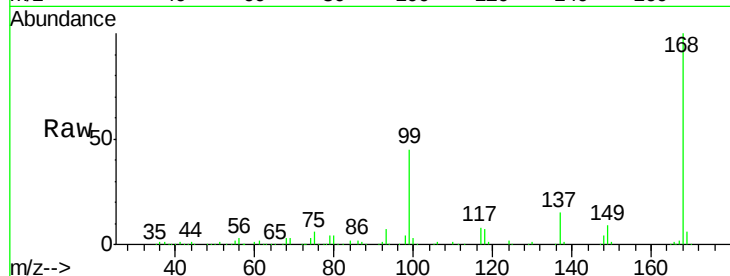
168 100

99 44.6 35.0 52.4

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

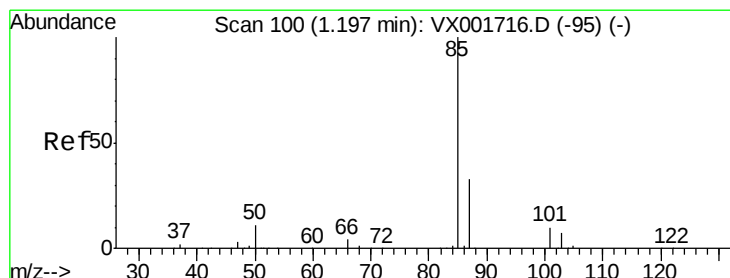
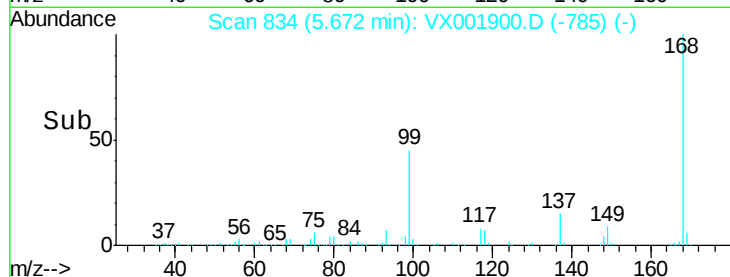
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.81 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001900.D

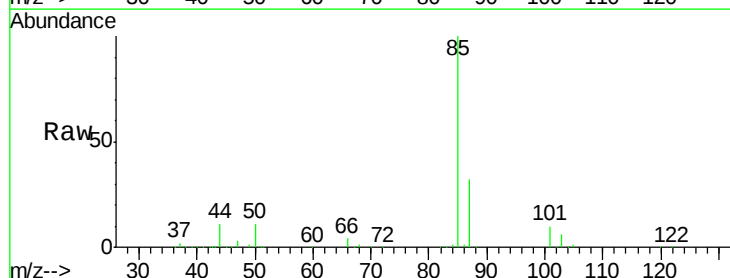
Acq: 22 May 2018 18:17

Tgt Ion: 85 Resp: 107656

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

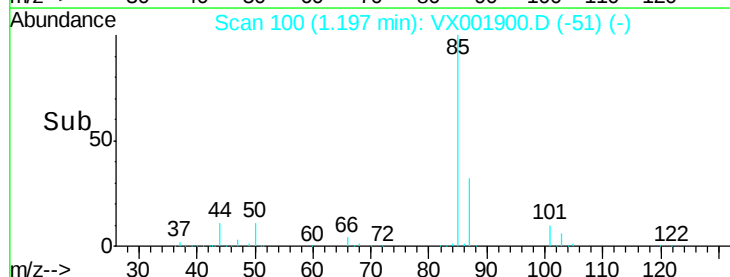
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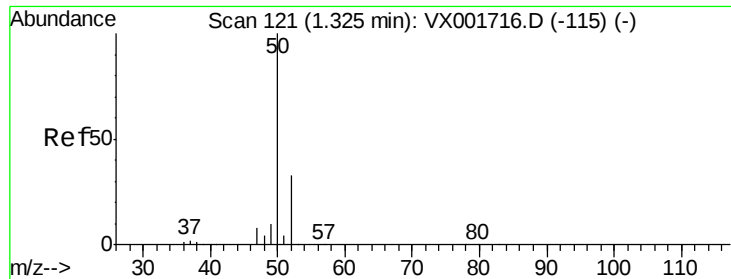
40000

20000

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Time-->





#3

Chloromethane

Concen: 50.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 50 Resp: 133690

Ion Ratio Lower Upper

50 100

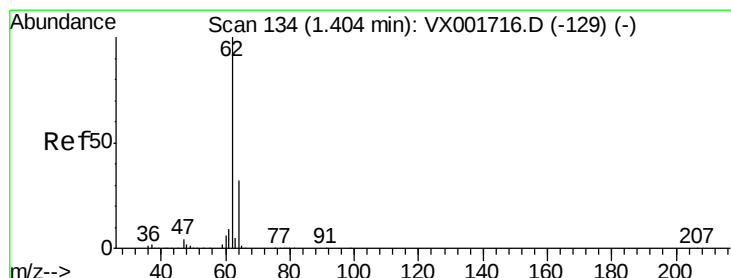
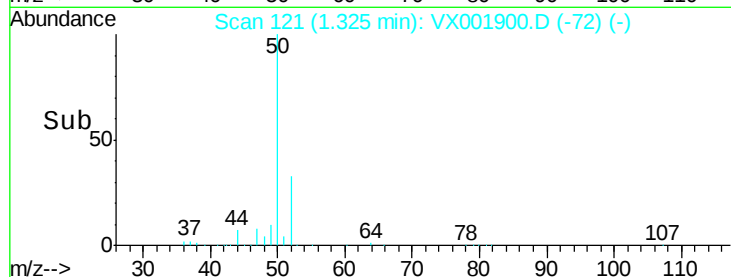
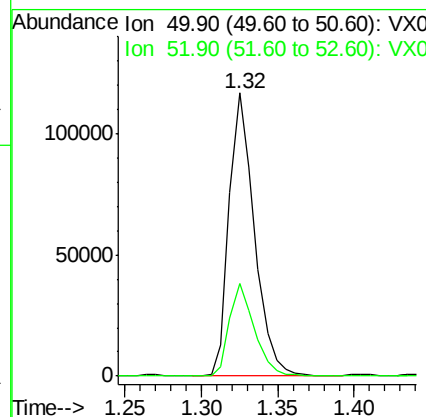
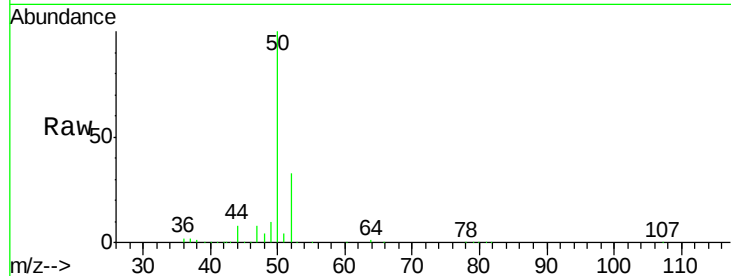
52 32.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001900.D

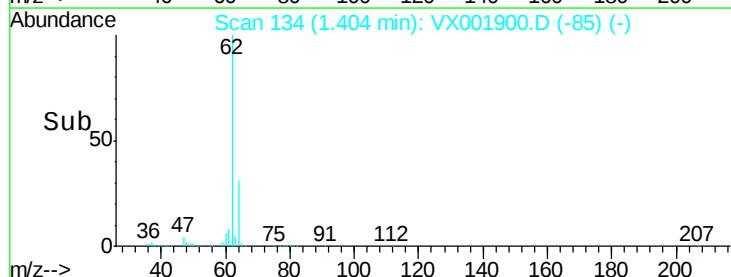
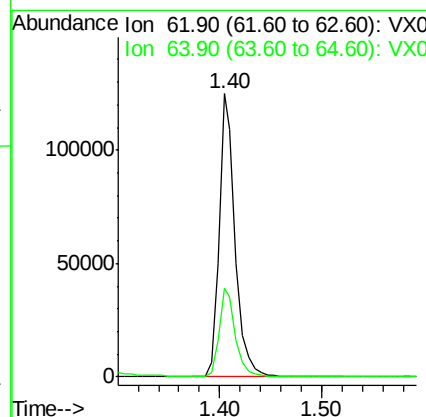
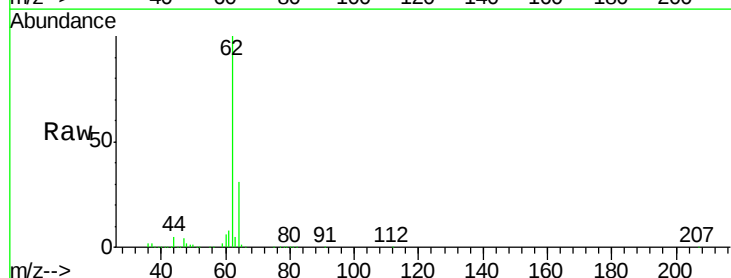
Acq: 22 May 2018 18:17

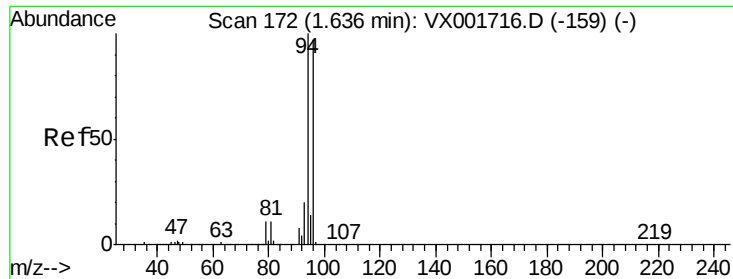
Tgt Ion: 62 Resp: 137749

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 50.03 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 94 Resp: 60424

Ion Ratio Lower Upper

94 100

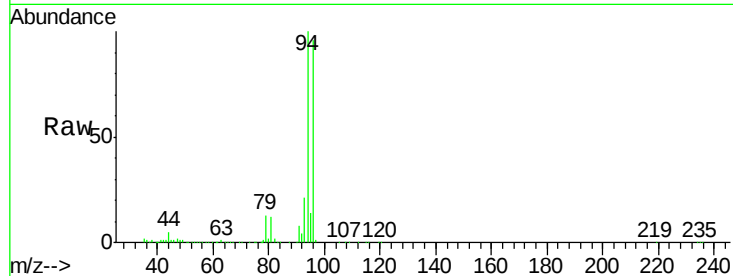
96 95.9 77.4 116.0

Manual Integrations

APPROVED

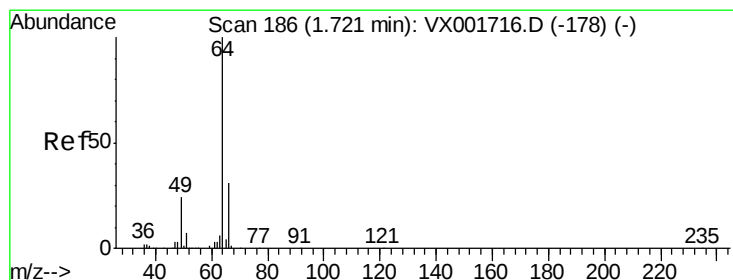
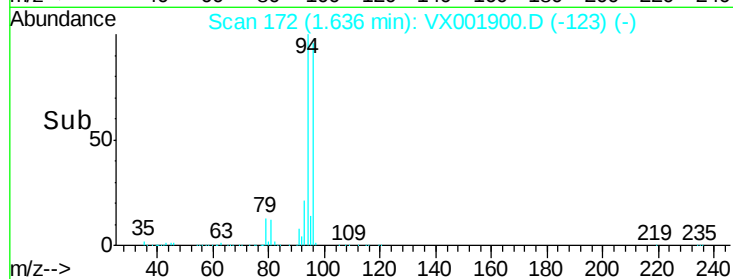
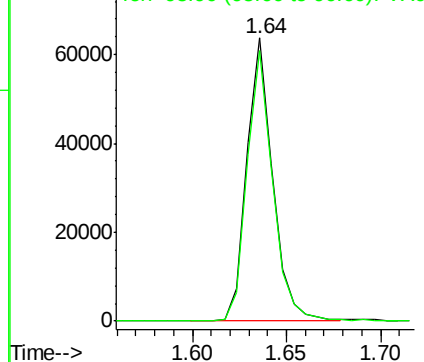
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.95 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001900.D

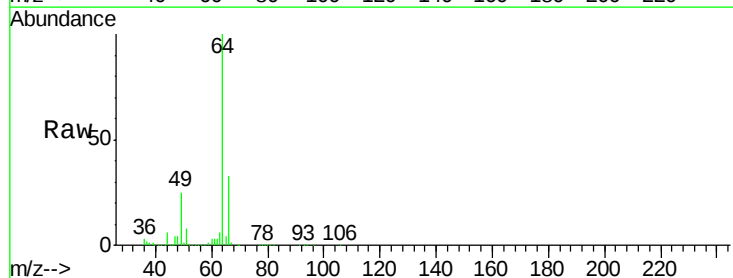
Acq: 22 May 2018 18:17

Tgt Ion: 64 Resp: 97521

Ion Ratio Lower Upper

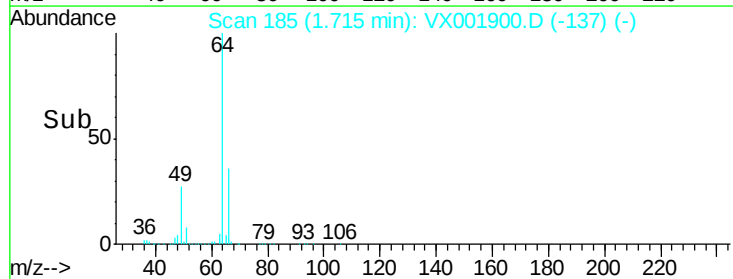
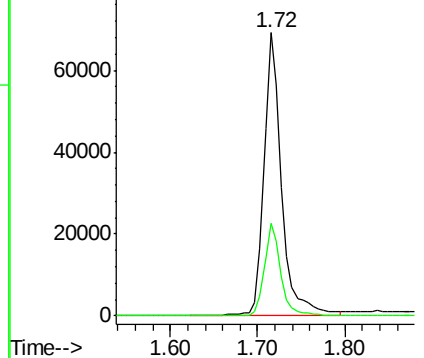
64 100

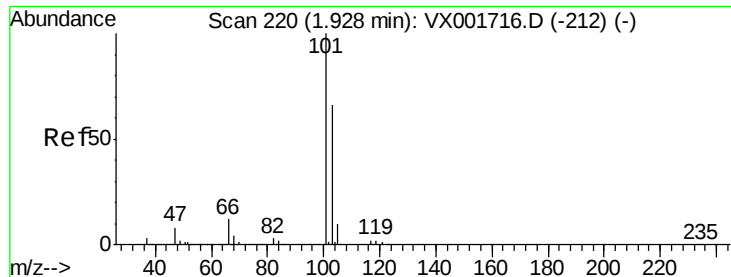
66 32.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

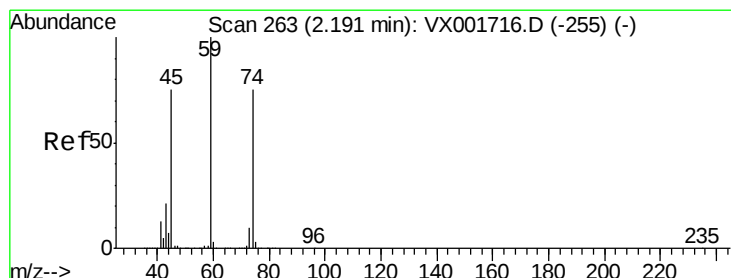
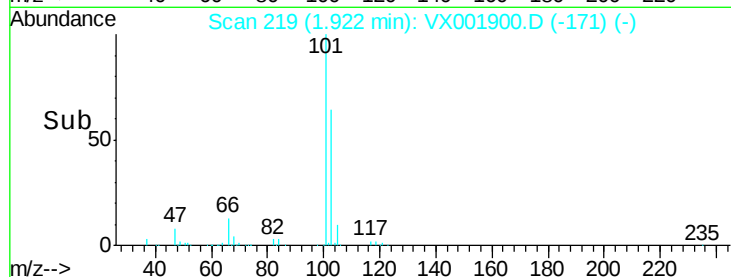
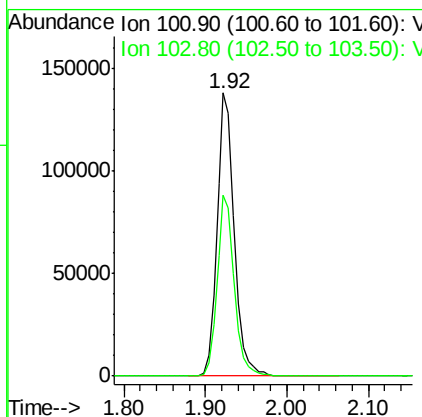
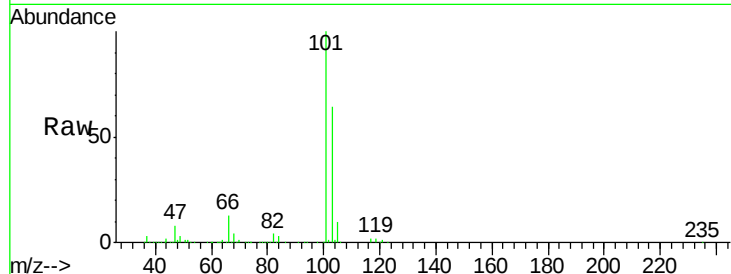
Trichlorofluoromethane
 Concen: 48.89 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	203895		
103	63.9	52.6	78.8	

Manual Integrations
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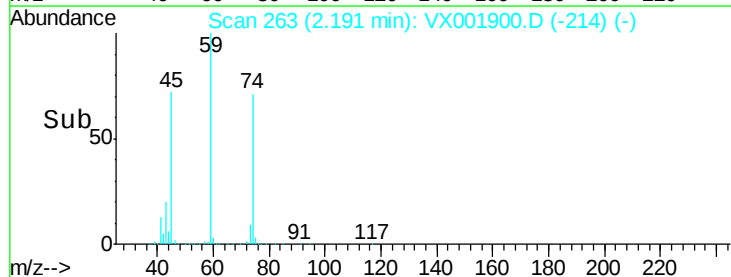
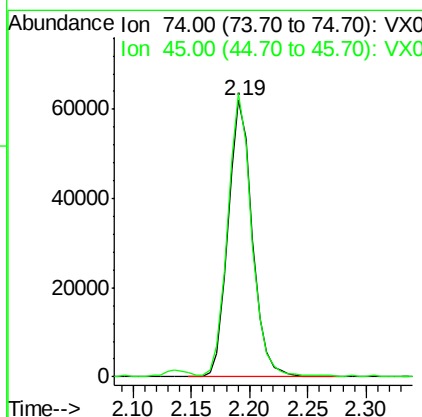
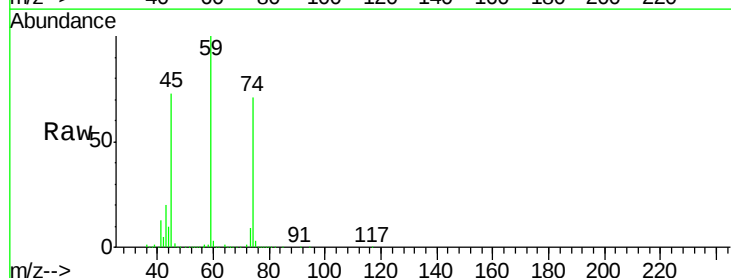
MMDadoda
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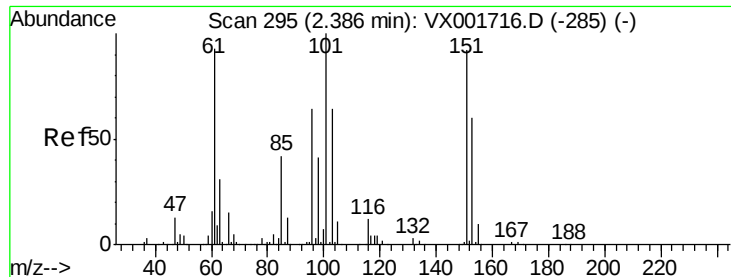


#8

Diethyl Ether
 Concen: 52.37 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	89888		
45	100.8	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.56 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

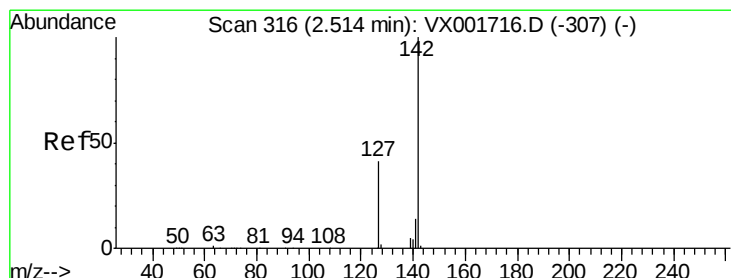
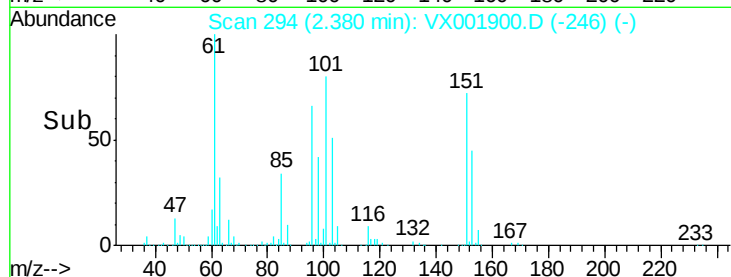
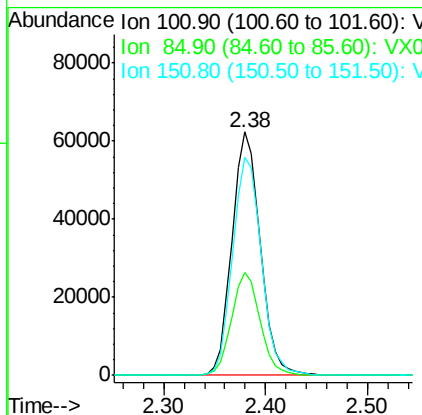
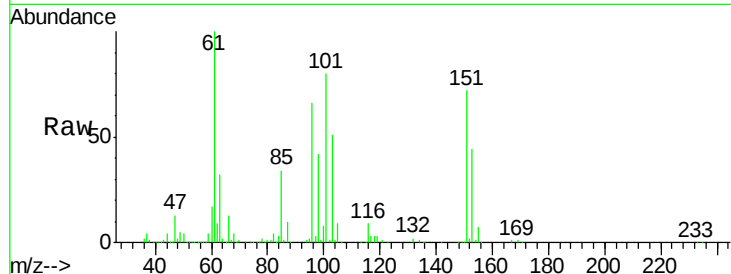
ClientSampleId :

SS036MW004-180515MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	119398		
85	42.3	33.7	50.5	
151	91.1	73.0	109.6	

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#10

Methyl Iodide

Concen: 74.88 ug/l

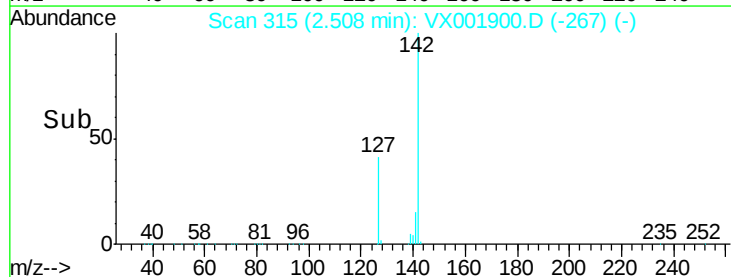
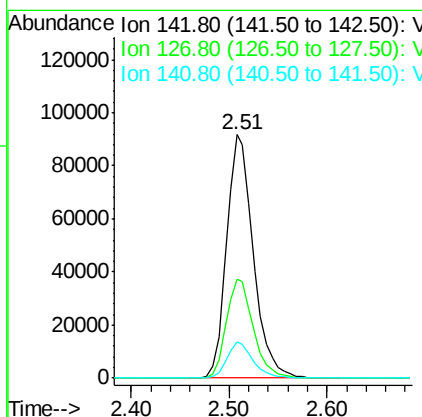
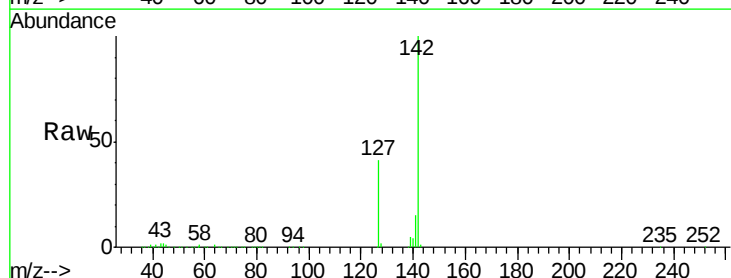
RT: 2.51 min Scan# 315

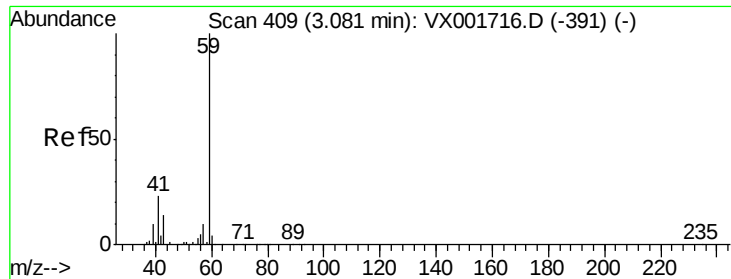
Delta R.T. -0.01 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	172944		
127	41.1	32.5	48.7	
141	14.4	11.4	17.0	





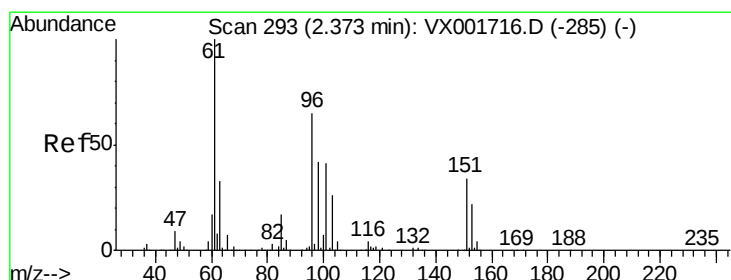
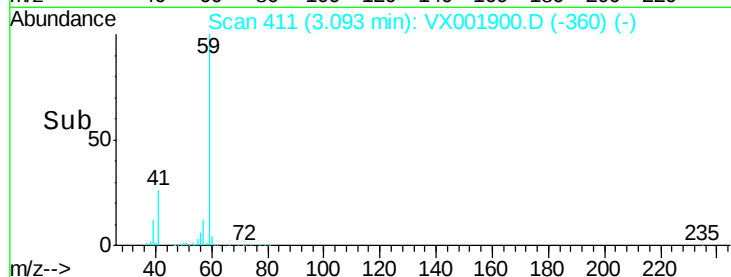
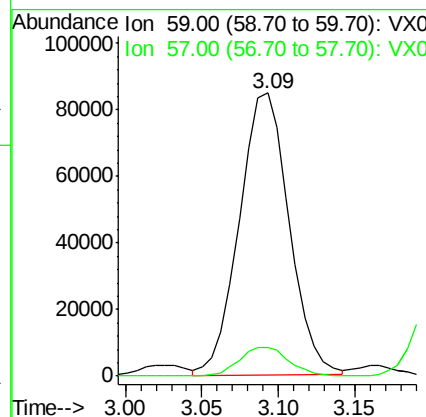
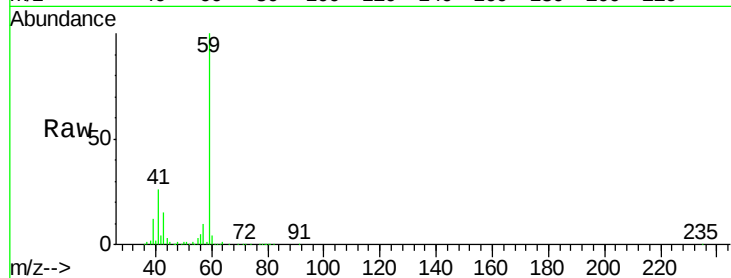
#11
Tert butyl alcohol
Concen: 329.27 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	59	Resp	191868
Ion Ratio	100	Lower	Upper
57	10.3	8.5	12.7

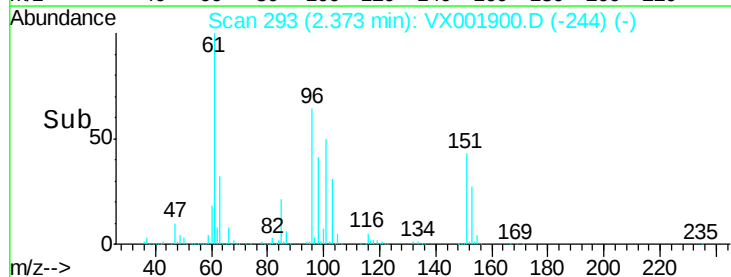
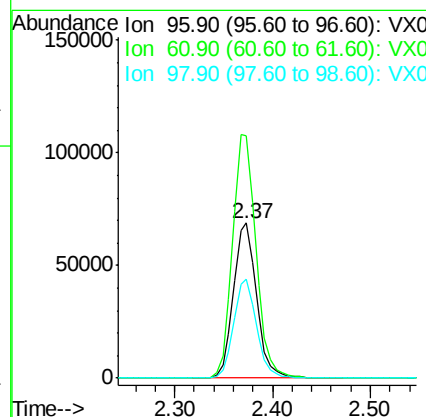
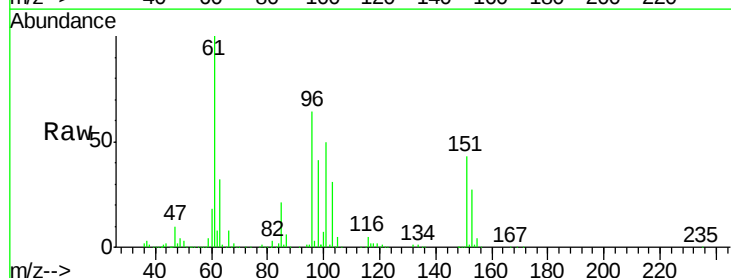
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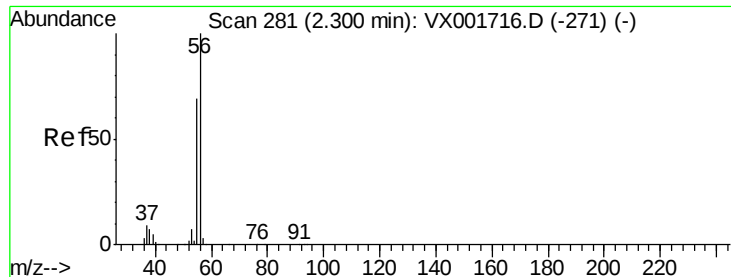
MMDadoda
5/24/2018 11:47:45 AM



#12
1,1-Dichloroethene
Concen: 46.80 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	96	Resp	113256
Ion Ratio	100	Lower	Upper
61	156.0	122.2	183.2
98	64.1	51.4	77.0





#13

Acrolein

Concen: 171.42 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 56 Resp: 70843

Ion Ratio Lower Upper

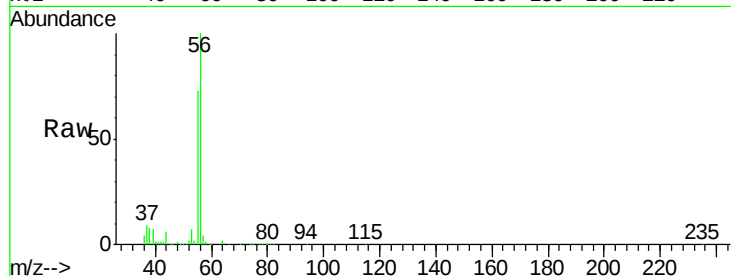
56 100

55 72.7 56.2 84.2

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

50000

40000

30000

20000

10000

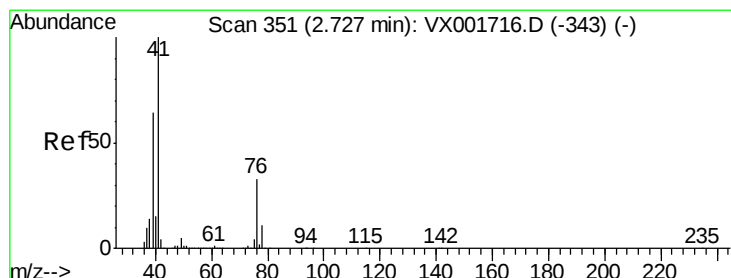
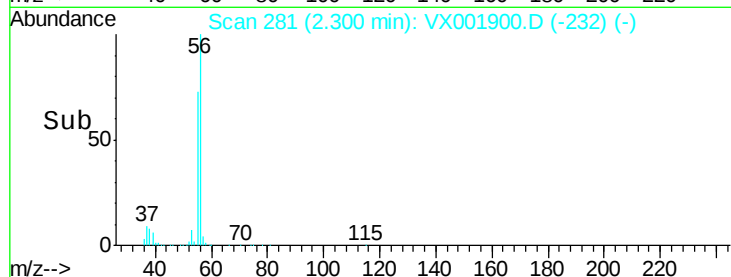
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 54.10 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

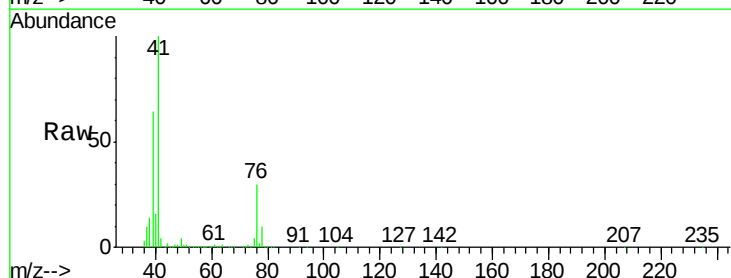
Tgt Ion: 41 Resp: 242023

Ion Ratio Lower Upper

41 100

39 62.1 49.8 74.6

76 29.5 25.8 38.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

150000

100000

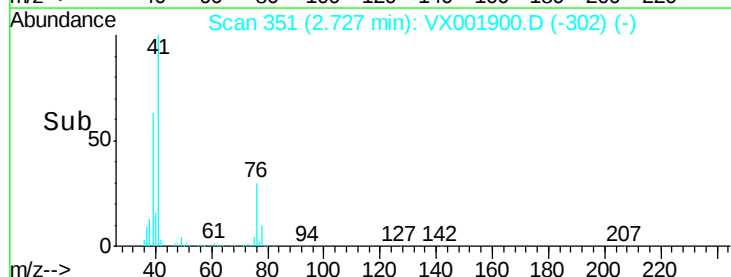
50000

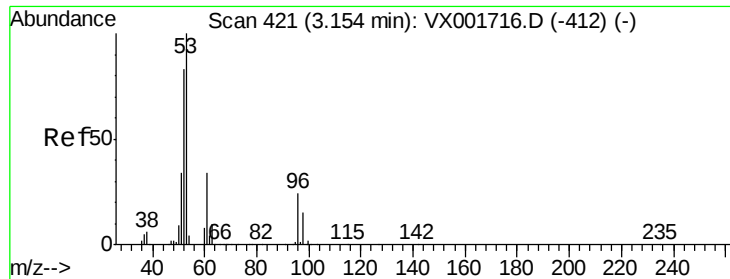
0

Time-->

2.70

2.80





#15

Acrylonitrile

Concen: 296.98 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

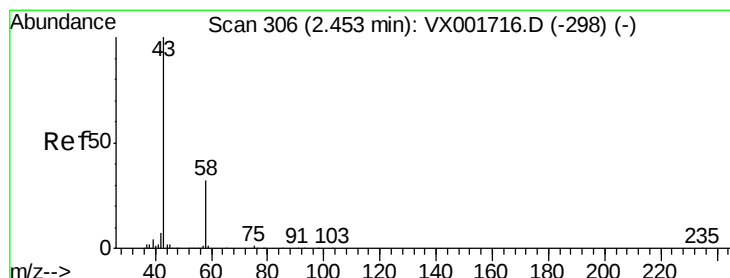
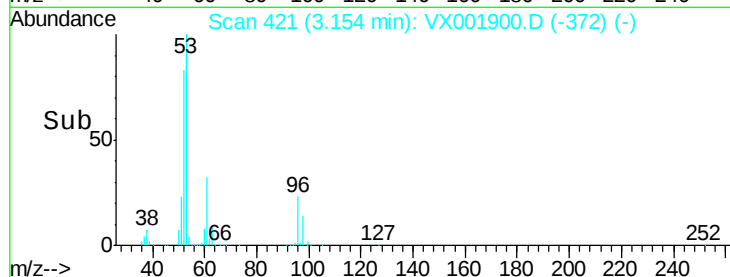
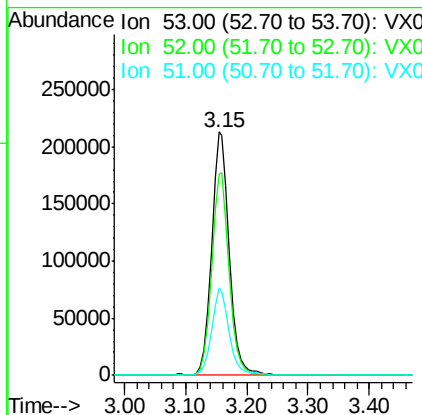
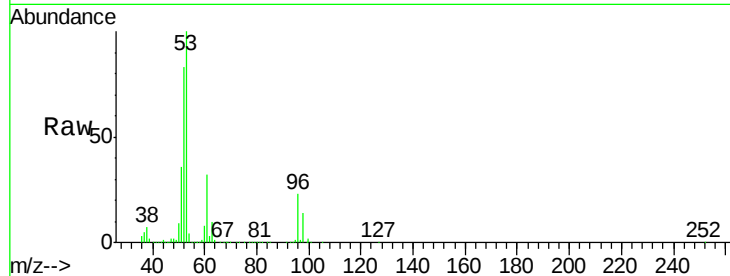
ClientSampleId :

SS036MW004-180515MSD

Tot Ion:	53	Resp:	434647
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.6	98.4
51	35.4	28.1	42.1

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#16

Acetone

Concen: 295.55 ug/l

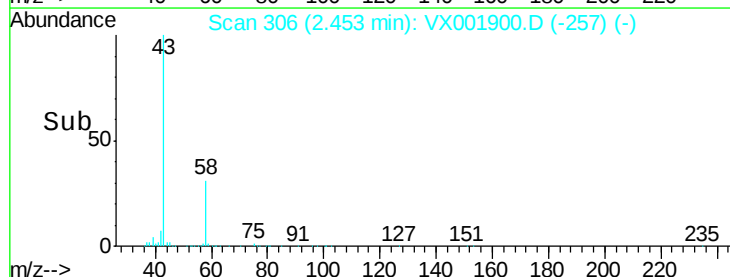
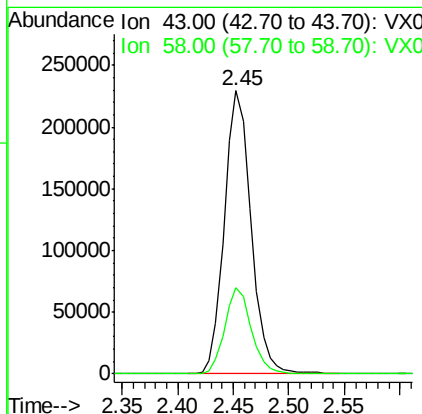
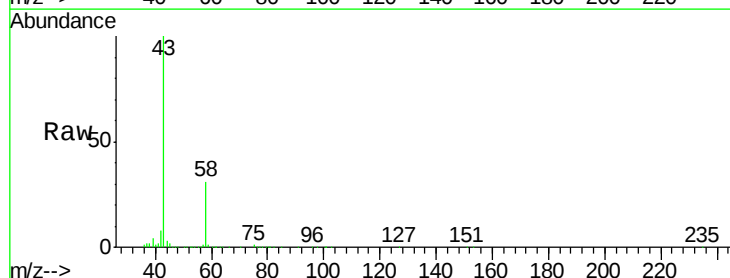
RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tgt Ion:	43	Resp:	380994
Ion Ratio	Lower	Upper	
43	100		
58	30.5	25.3	37.9





#17

Carbon Disulfide

Concen: 39.73 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 76 Resp: 250823

Ion Ratio Lower Upper

76 100

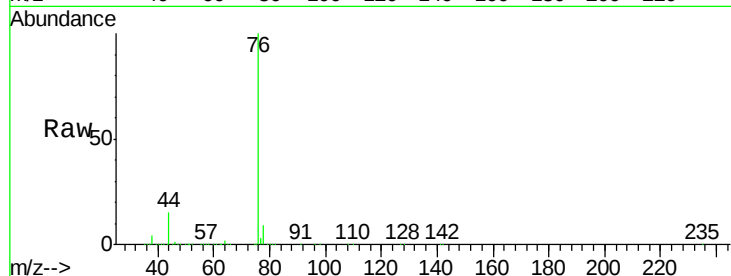
78 8.7 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

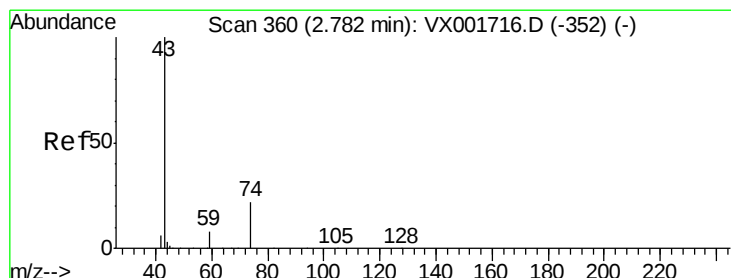
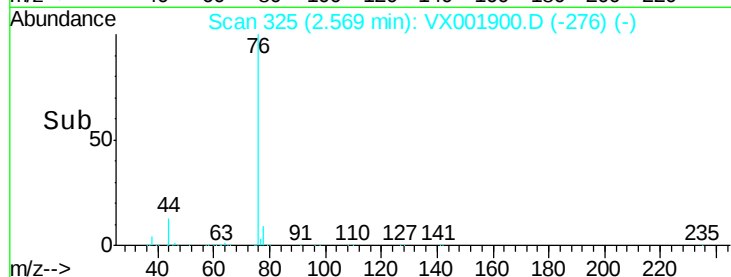
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 64.15 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001900.D

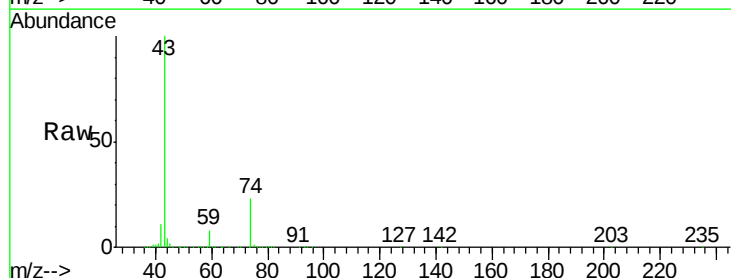
Acq: 22 May 2018 18:17

Tgt Ion: 43 Resp: 241758

Ion Ratio Lower Upper

43 100

74 22.2 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

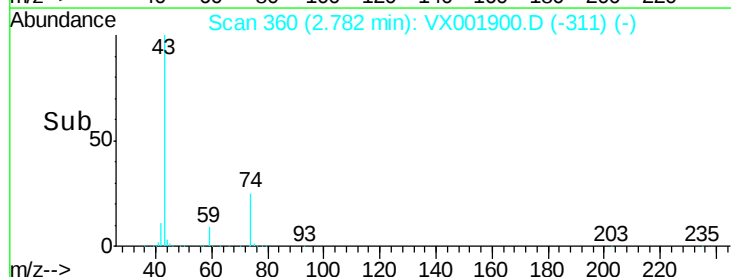
150000

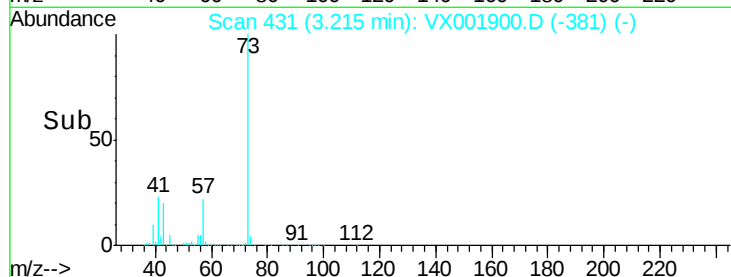
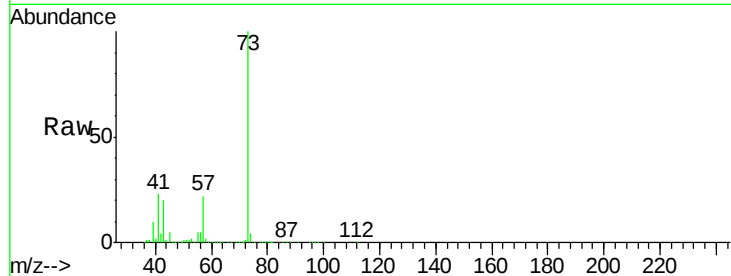
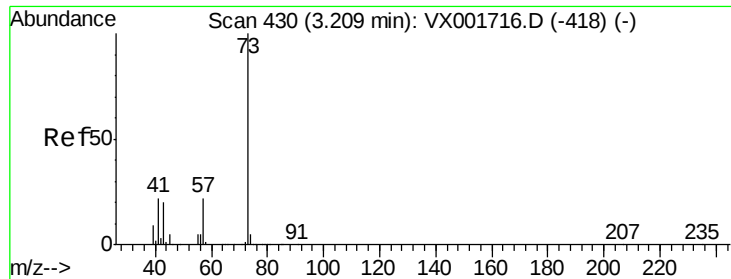
100000

50000

0

Time-->





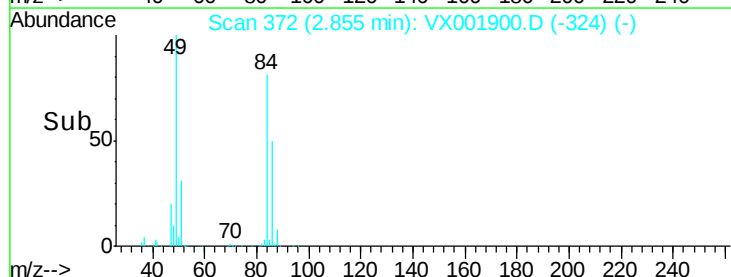
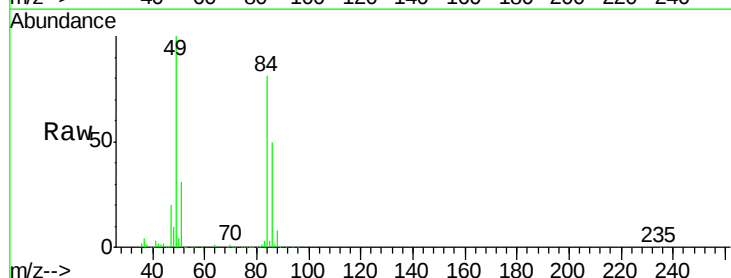
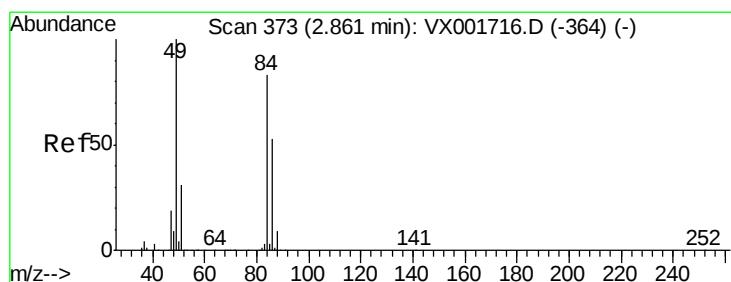
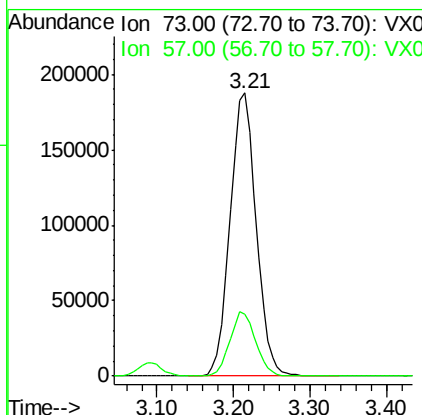
#19
Methvl tert-butvl Ether
Concen: 54.30 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tot Ion	73	Resp	442920
Ion Ratio	100	Lower	Upper
73	100		
57	21.9	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

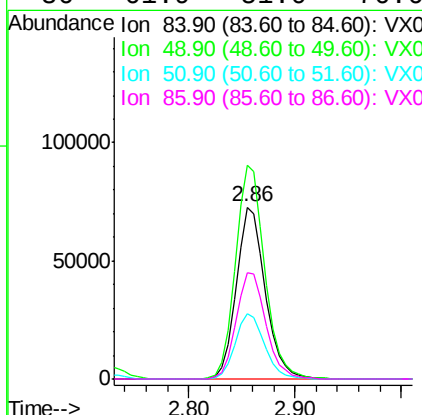
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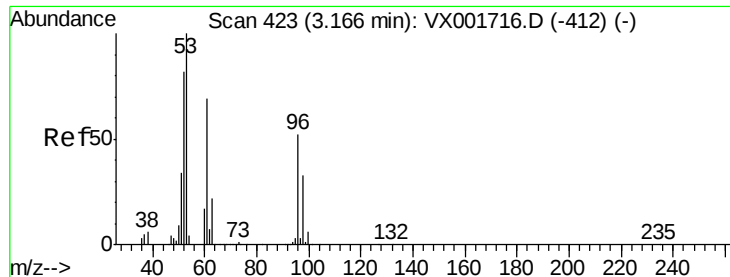
MMDadoda
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#20
Methylene Chloride
Concen: 50.34 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	84	Resp	138913
Ion Ratio	100	Lower	Upper
84	100		
49	124.0	96.3	144.5
51	37.9	29.8	44.6
86	61.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.31 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

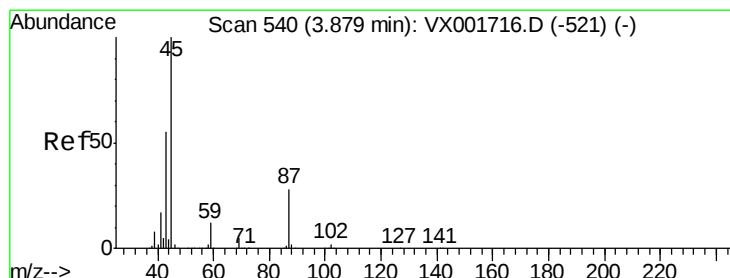
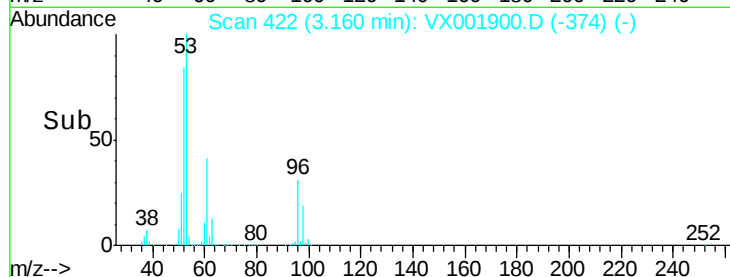
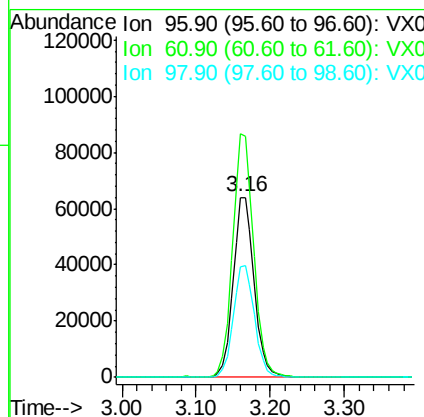
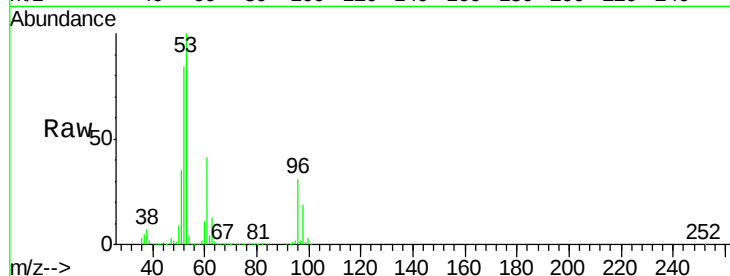
ClientSampleId :

SS036MW004-180515MSD

Tot Ion:	96	Resp:	126143
Ion Ratio	Lower	Upper	
96	100		
61	135.2	105.8	158.8
98	61.6	50.2	75.4

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#22

Diisopropyl ether

Concen: 54.91 ug/l

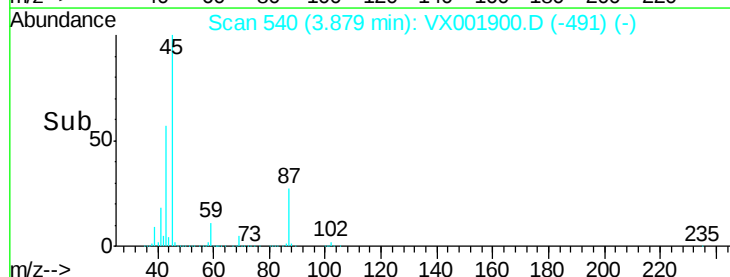
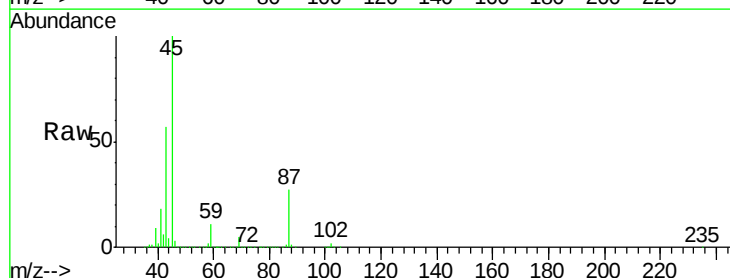
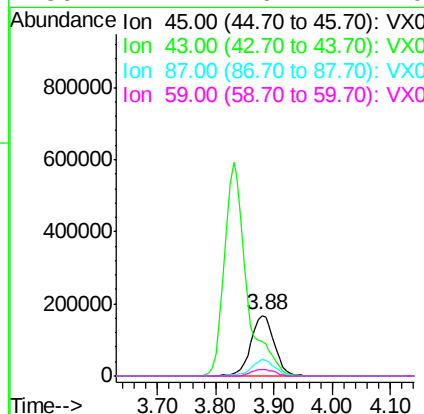
RT: 3.88 min Scan# 540

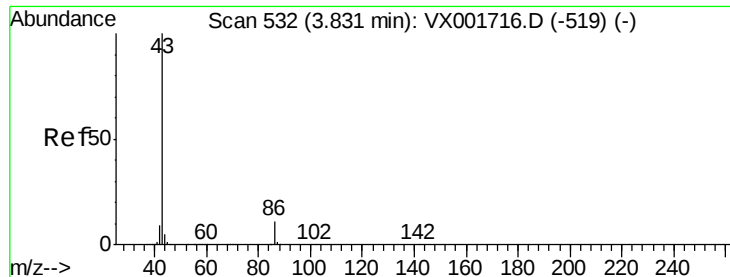
Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tgt Ion:	45	Resp:	471225
Ion Ratio	Lower	Upper	
45	100		
43	57.2	44.3	66.5
87	26.6	22.6	33.8
59	11.1	9.4	14.0





#23

Vinyl Acetate

Concen: 253.28 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tot Ion: 43 Resp: 1566072

Ion Ratio Lower Upper

43 100

86 10.2 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

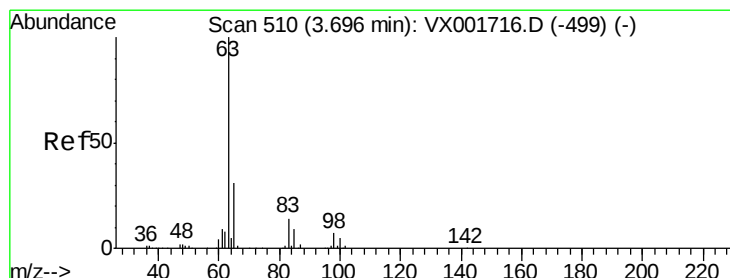
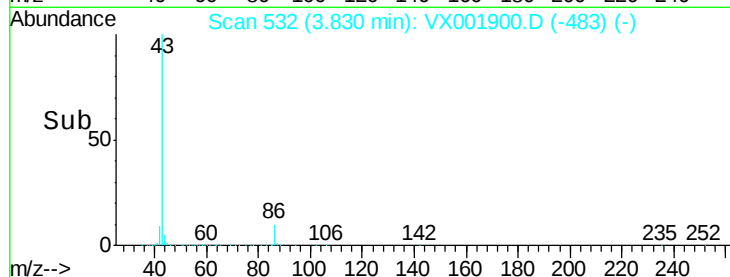
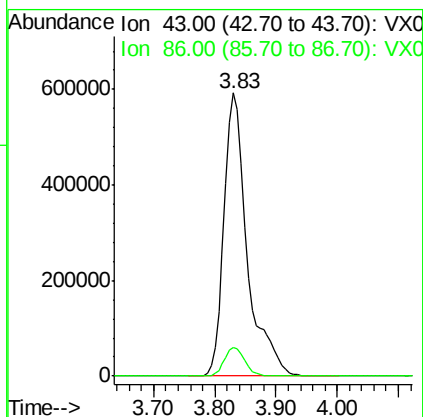
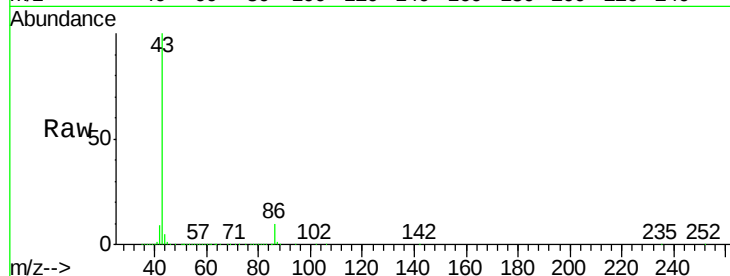
SS036MW004-180515MSD

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#24

1,1-Dichloroethane

Concen: 52.88 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

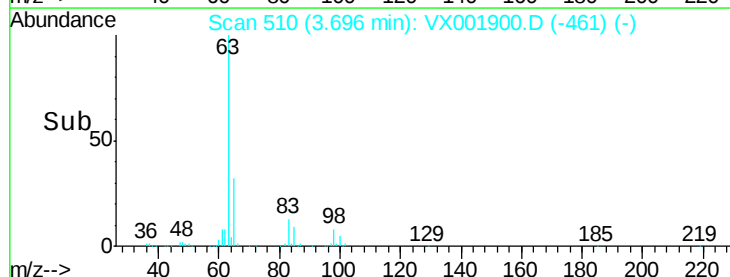
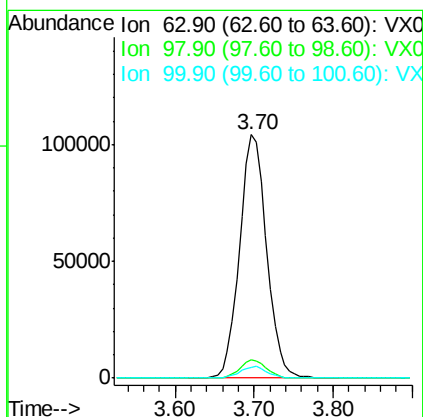
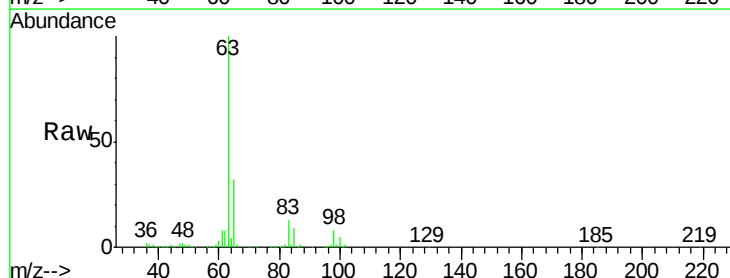
Tgt Ion: 63 Resp: 248864

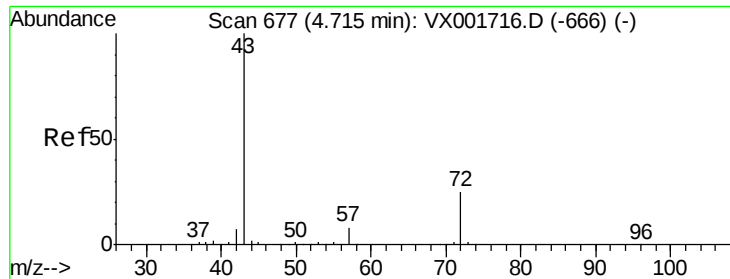
Ion Ratio Lower Upper

63 100

98 7.6 3.7 11.1

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 326.69 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 43 Resp: 644764

Ion Ratio Lower Upper

43 100

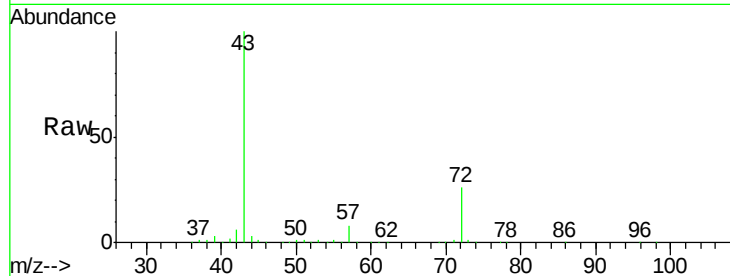
72 25.5 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

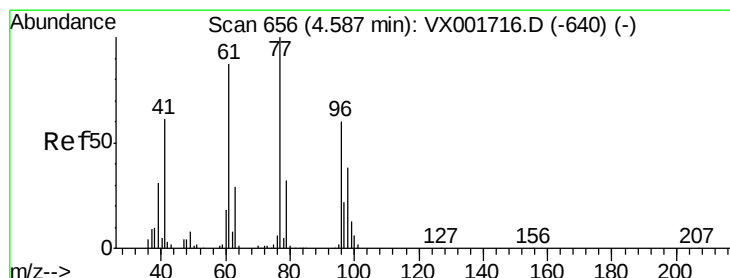
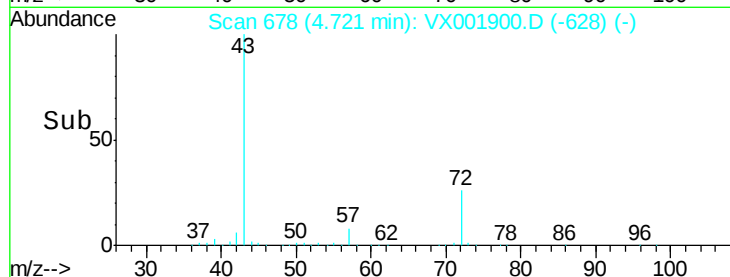
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 49.32 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001900.D

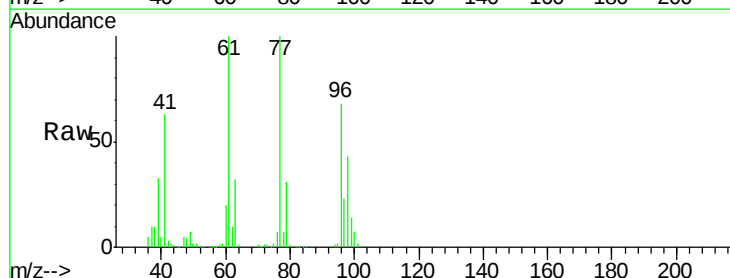
Acq: 22 May 2018 18:17

Tgt Ion: 77 Resp: 186865

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

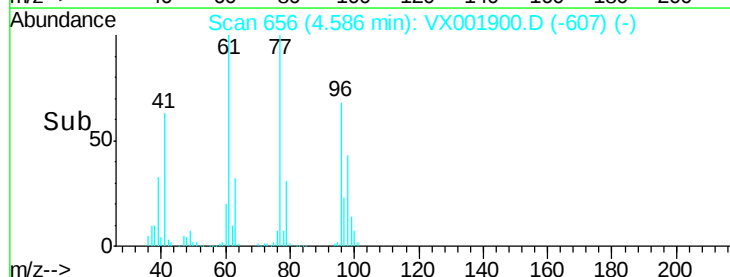
40000

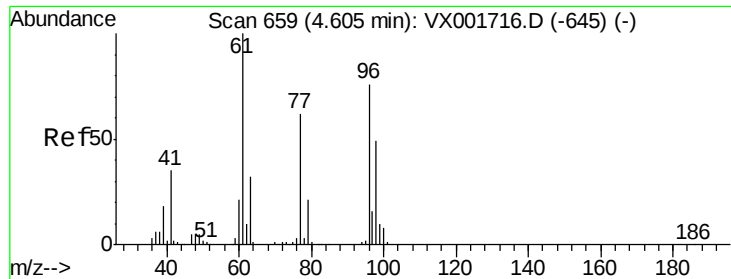
20000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

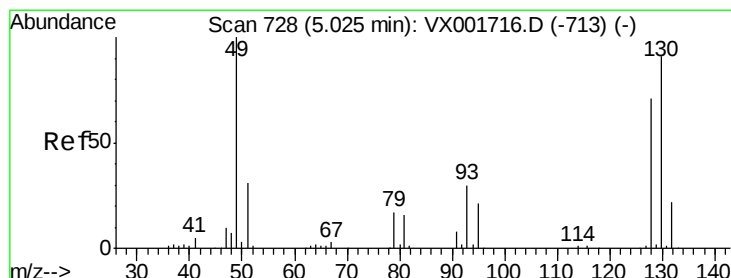
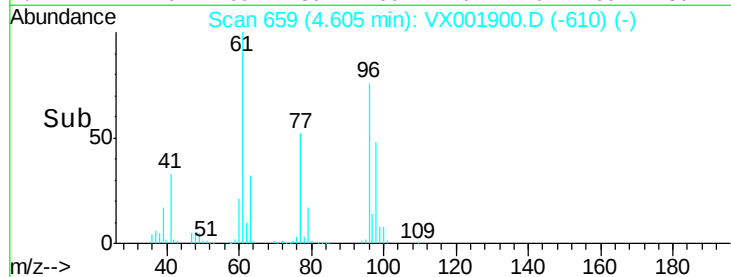
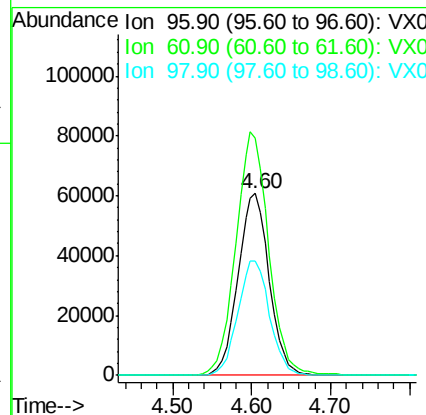
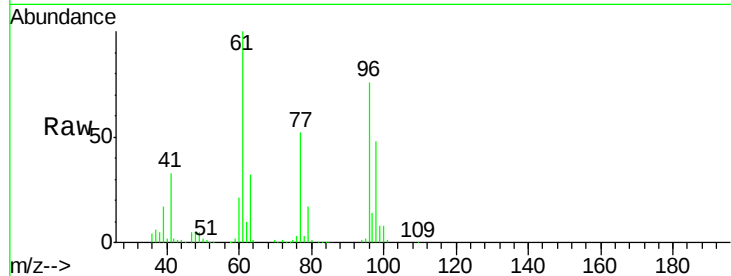
cis-1,2-Dichloroethene
Concen: 54.91 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	166595		
61	141.4	0.0	280.4	
98	64.3	0.0	128.4	

Manual Integrations
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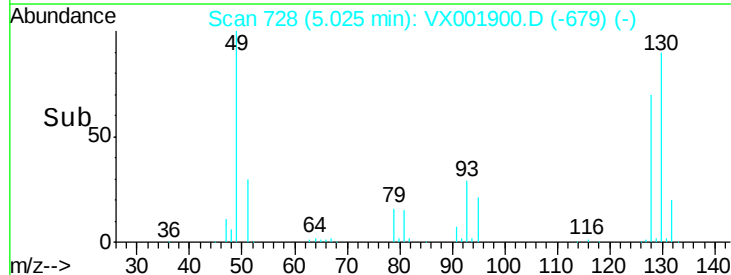
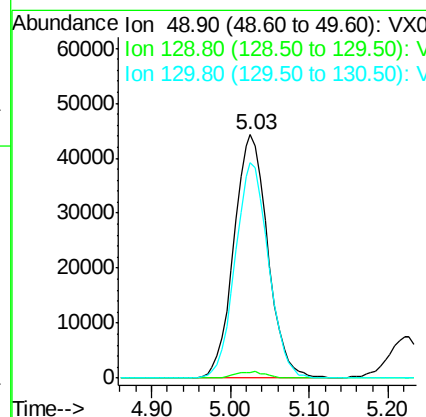
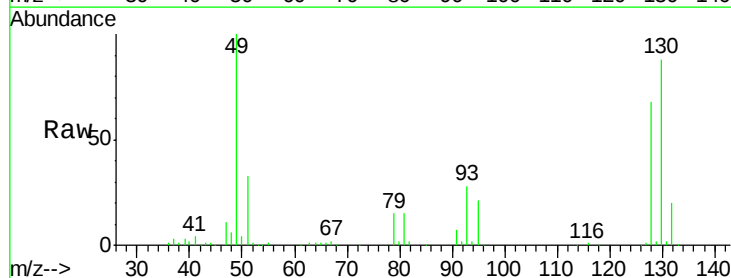
MMDadoda
5/24/2018 11:47:45 AM

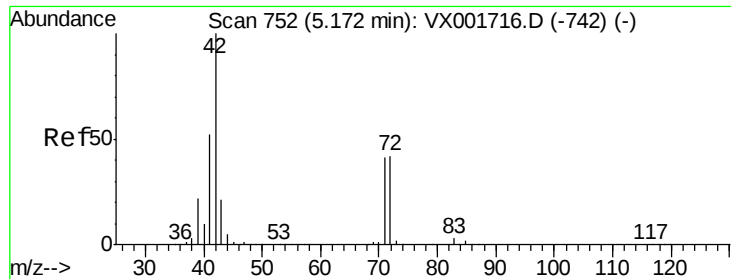


#28

Bromochloromethane
Concen: 63.38 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	132508		
129	2.5	0.0	5.0	
130	86.9	71.8	107.6	





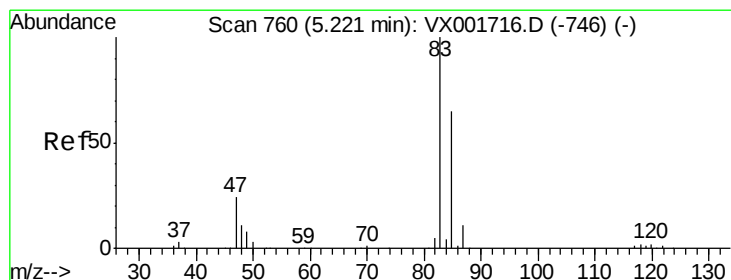
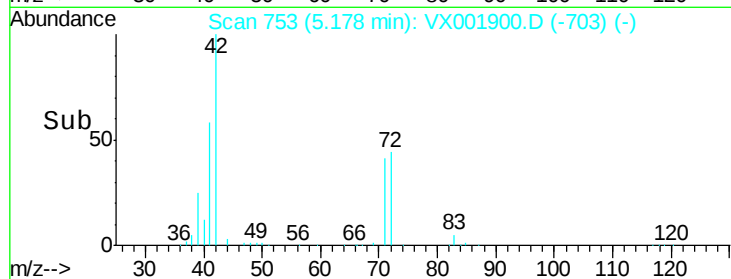
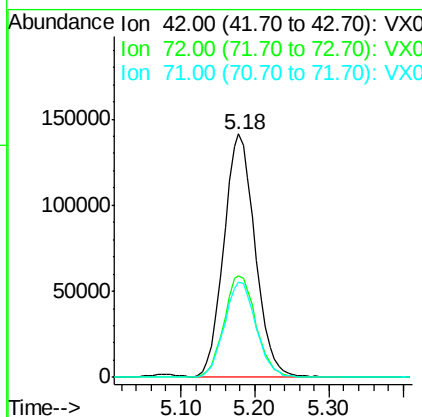
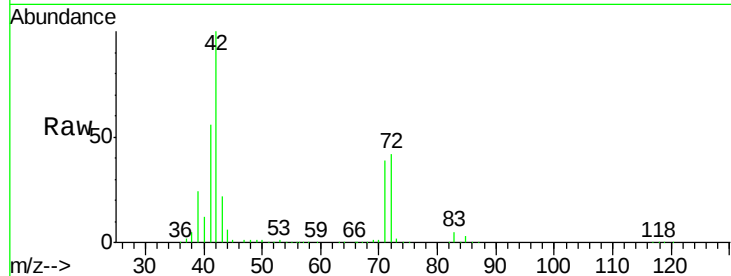
#29
Tetrahydrofuran
Concen: 320.47 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.4	53.2
71	39.9	33.2	49.8

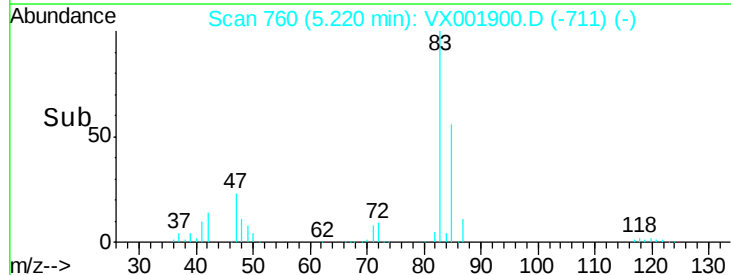
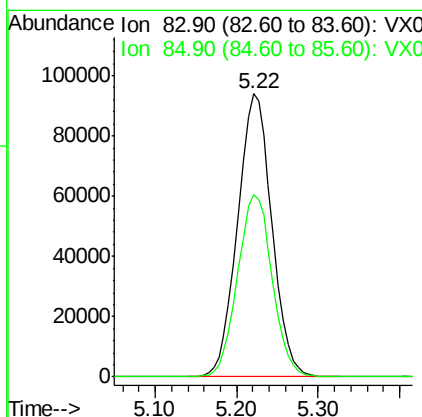
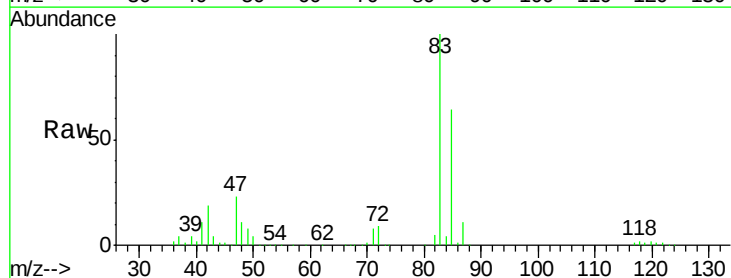
Manual Integrations
APPROVED

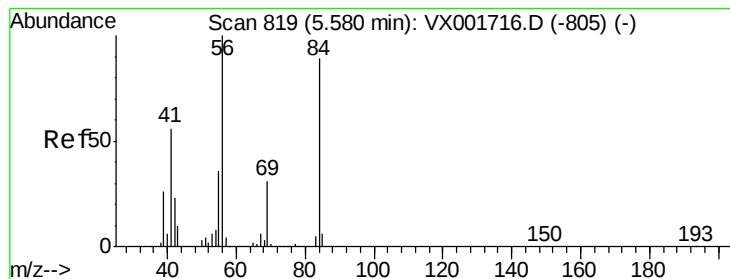
MMDadoda
5/24/2018 11:47:45 AM



#30
Chloroform
Concen: 55.30 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5





#31

Cyclohexane

Concen: 49.34 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

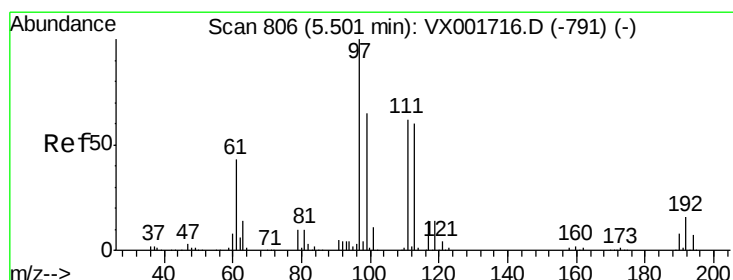
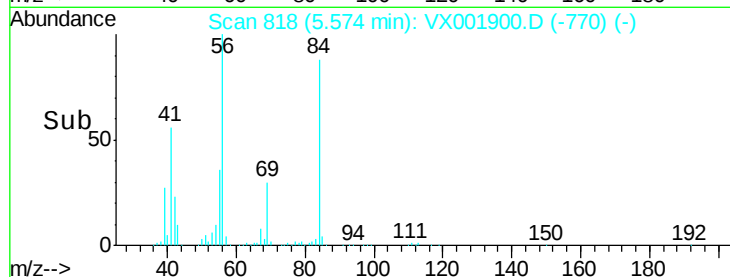
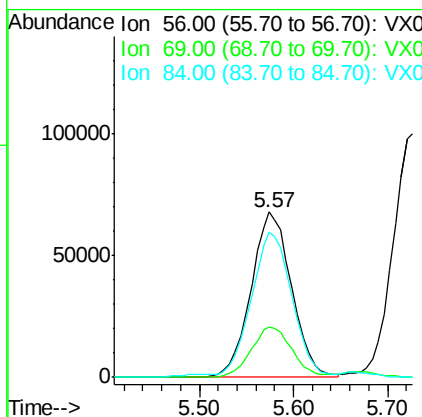
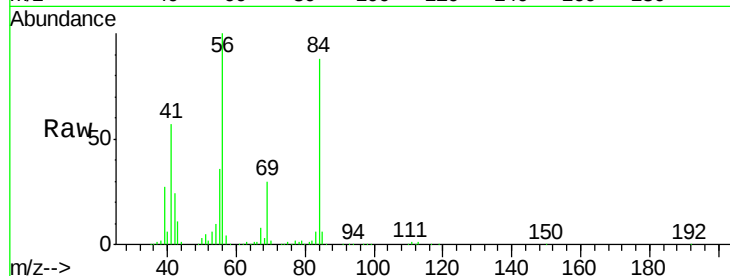
ClientSampleId :

SS036MW004-180515MSD

Tot Ion:	56	Resp:	203556
Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	86.1	71.0	106.4

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#32

1,1,1-Trichloroethane

Concen: 54.43 ug/l

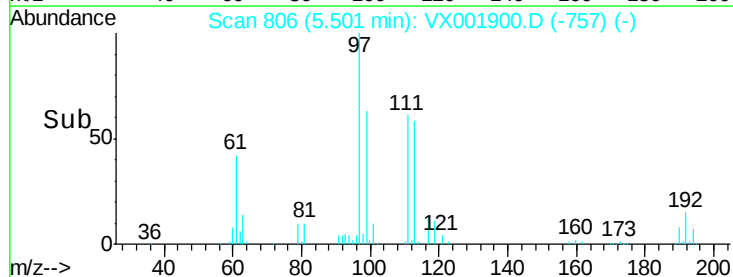
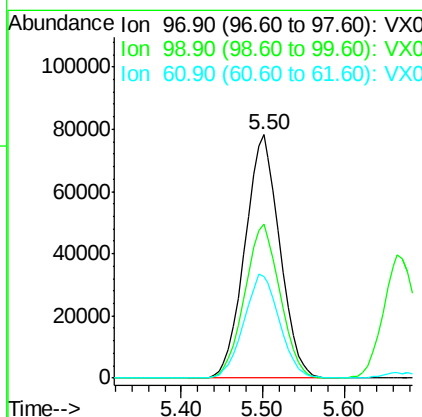
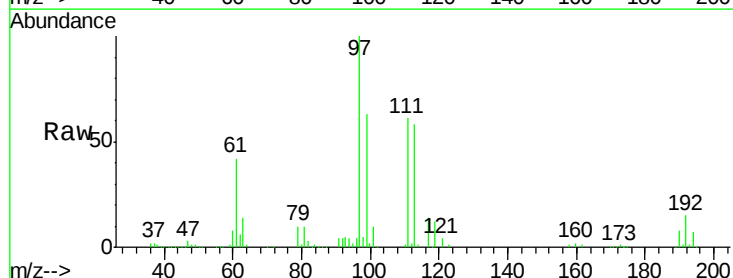
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tgt Ion:	97	Resp:	232513
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	43.7	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 51.03 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 65 Resp: 167502

Ion Ratio Lower Upper

65 100

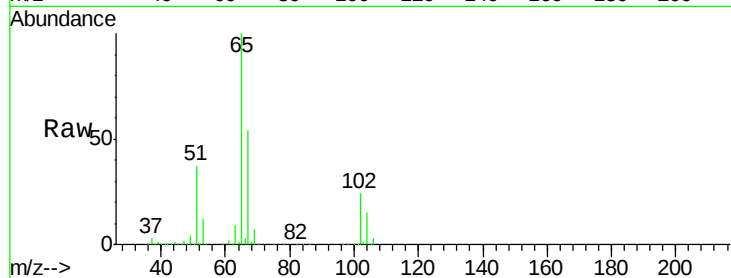
67 52.7 0.0 102.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX001716.D (-887) (-)

Ion 66.90 (66.60 to 67.60): VX001716.D (-887) (-)

6.07

60000

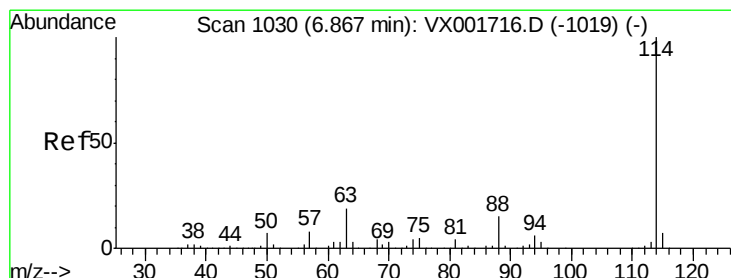
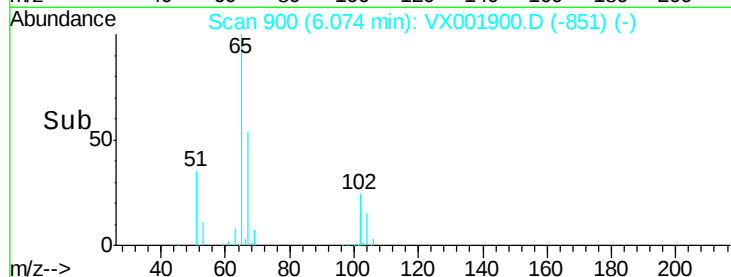
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

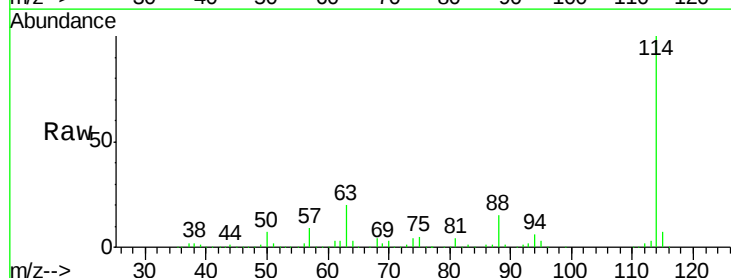
Tgt Ion: 114 Resp: 323439

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.0

88 15.1 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): VX001716.D (-1019) (-)

Ion 63.00 (62.70 to 63.70): VX001716.D (-1019) (-)

Ion 87.90 (87.60 to 88.60): VX001716.D (-1019) (-)

6.87

150000

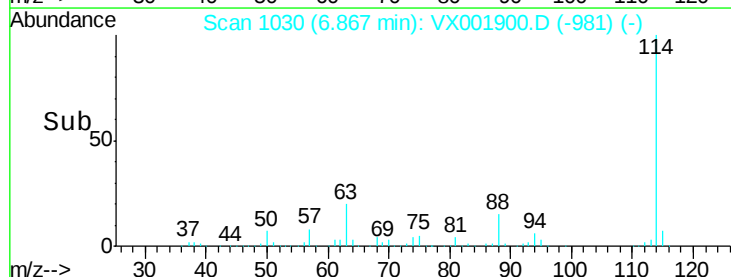
100000

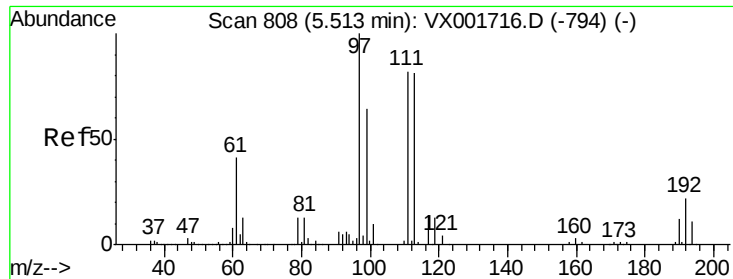
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





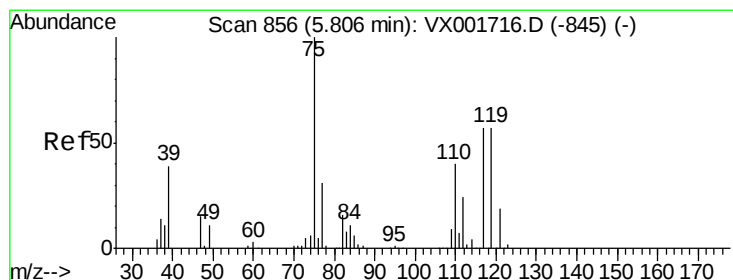
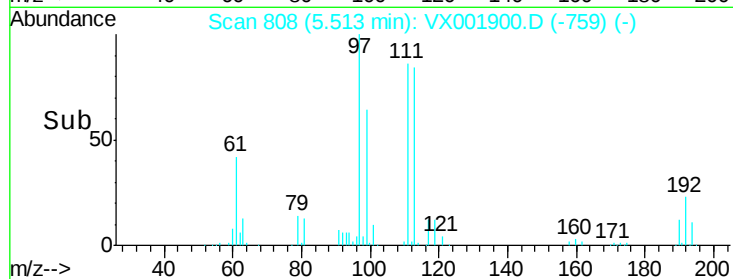
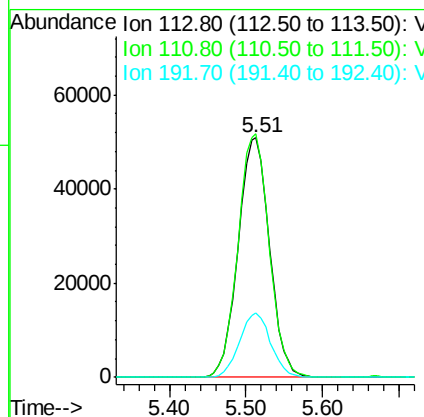
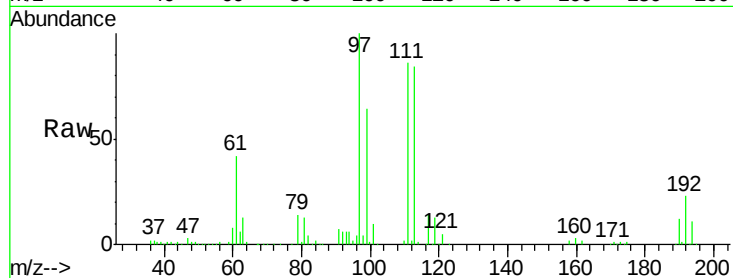
#35
Dibromofluoromethane
Concen: 52.94 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144507		
111	101.1	82.0	123.0	
192	26.6	21.6	32.4	

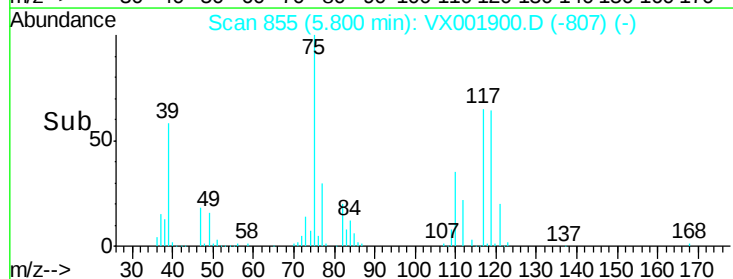
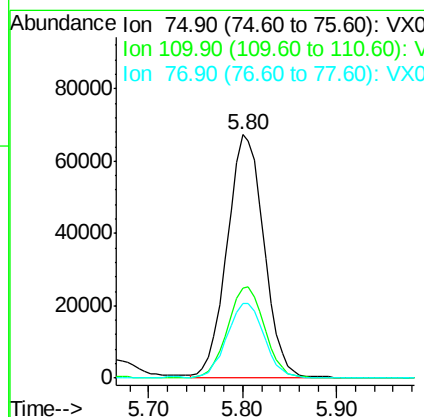
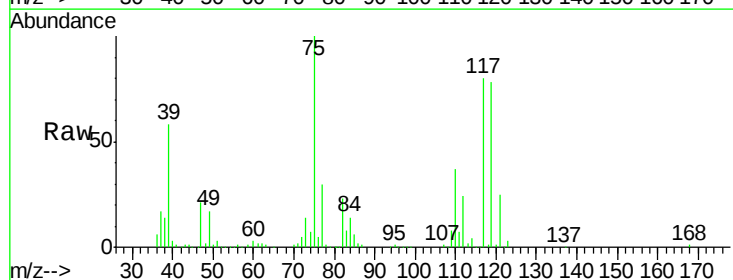
Manual Integrations
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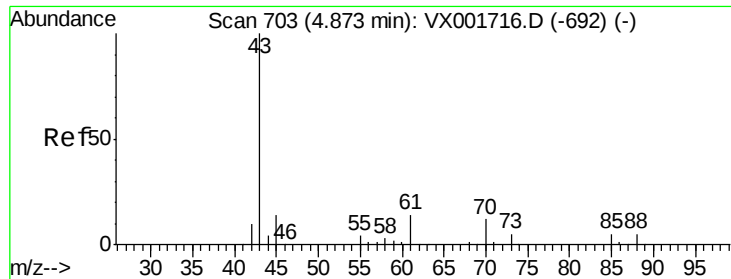
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#36
1,1-Dichloropropene
Concen: 48.79 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	181655		
110	38.3	19.1	57.1	
77	31.4	24.6	37.0	





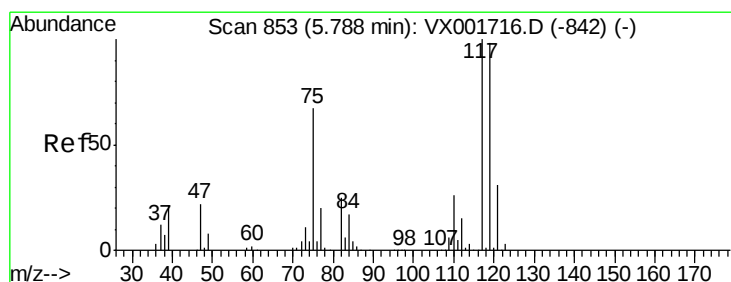
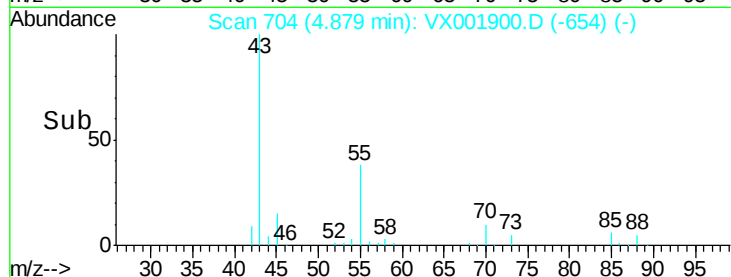
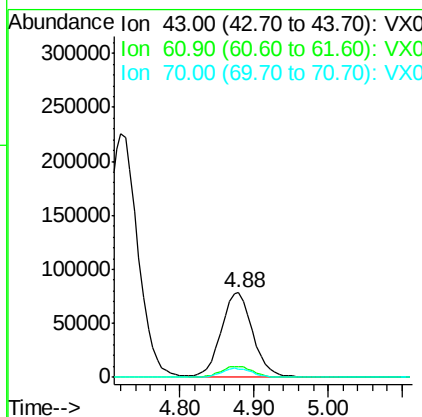
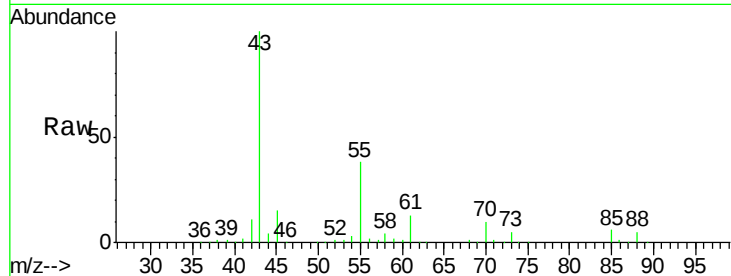
#37
Ethyl Acetate
Concen: 59.45 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion:	43	Resp:	230682
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.9	16.3
70	10.4	8.8	13.2

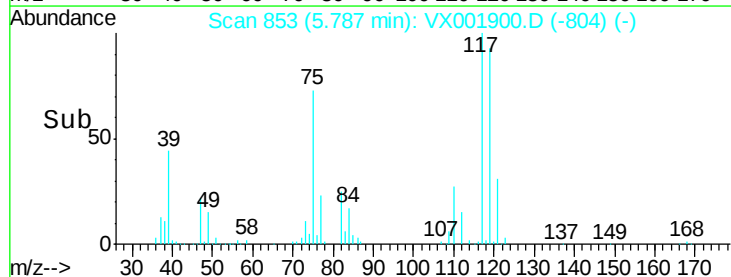
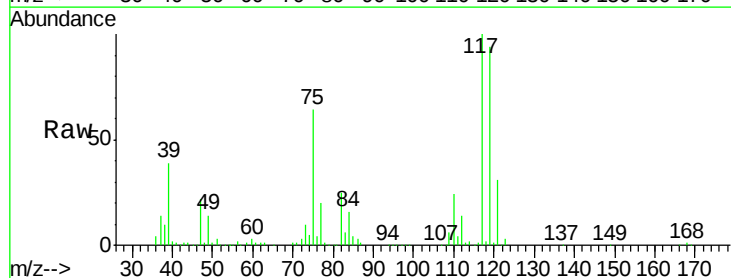
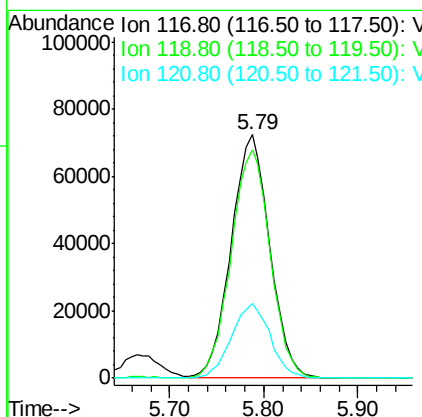
Manual Integrations
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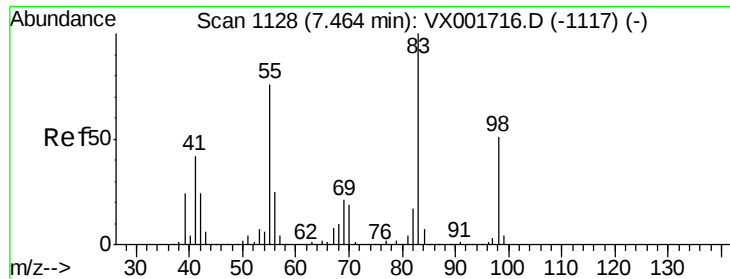
MMDadoda
5/24/2018 11:47:45 AM



#38
Carbon Tetrachloride
Concen: 52.93 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion:	117	Resp:	206450
Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.6	116.4
121	30.7	24.6	36.8





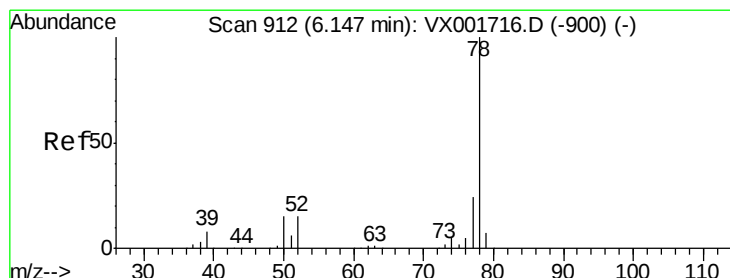
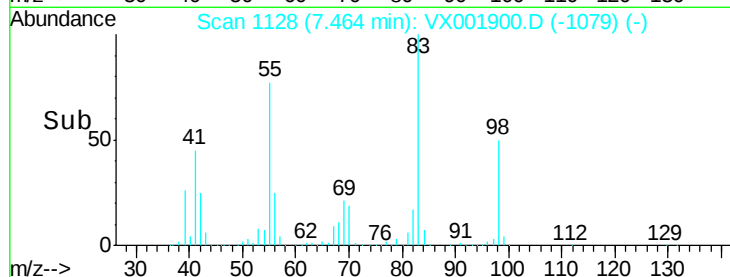
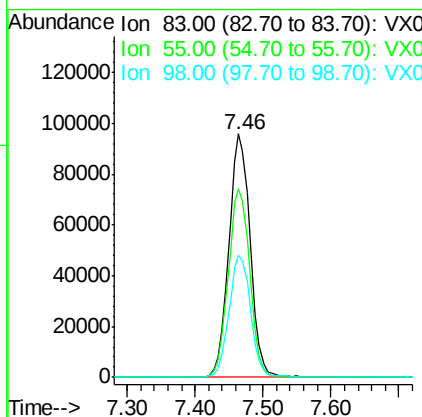
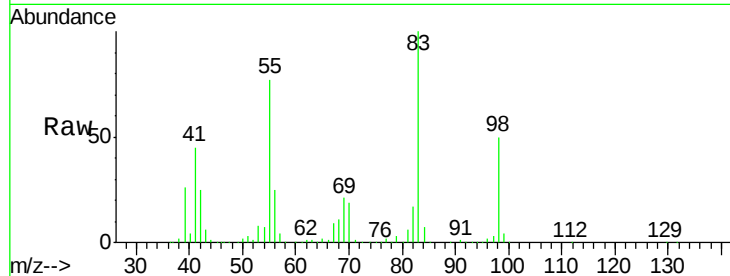
#39
Methylvlcyclohexane
Concen: 47.75 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	83	Resp	207707
Ion Ratio	100	Lower	Upper
83	100		
55	77.2	60.6	90.8
98	50.4	40.4	60.6

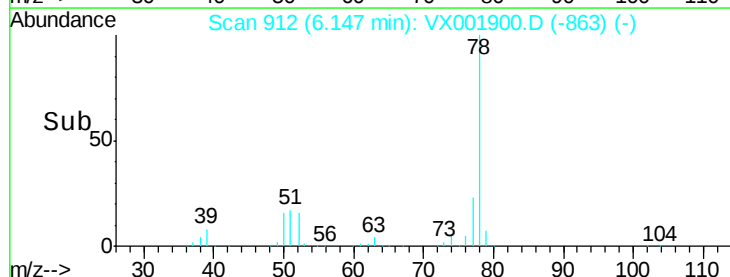
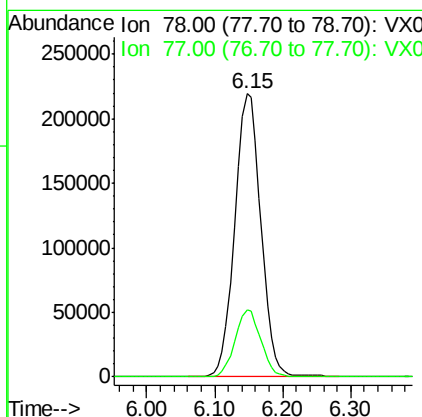
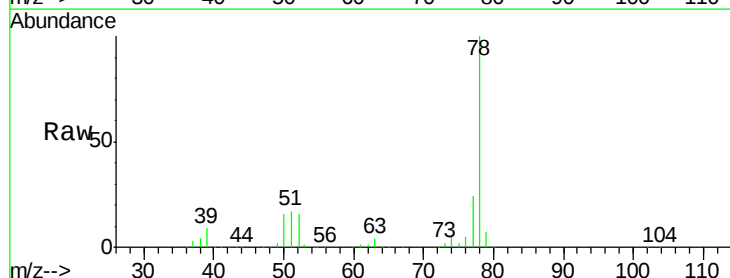
Manual Integrations
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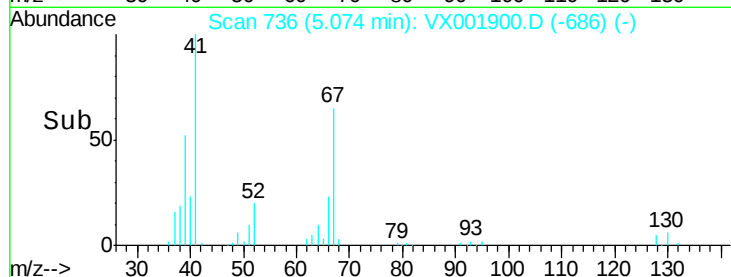
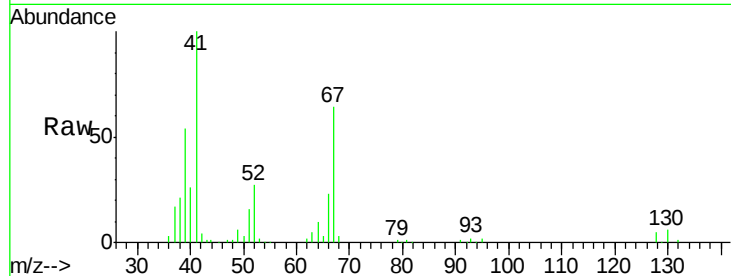
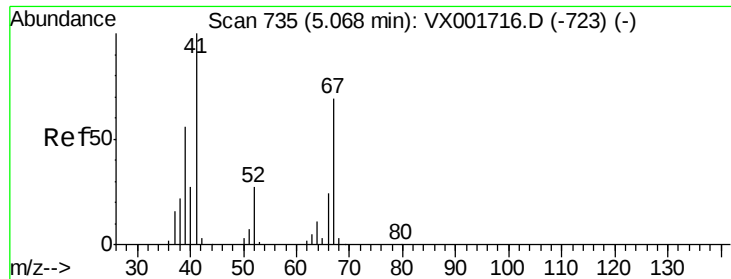
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#40
Benzene
Concen: 53.33 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	78	Resp	584990
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	19.0	28.4





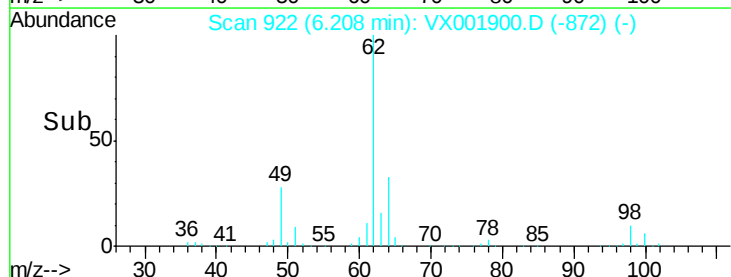
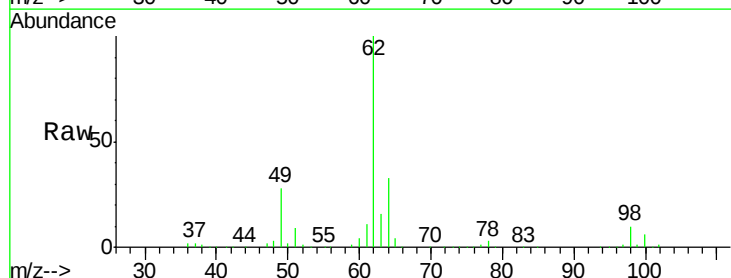
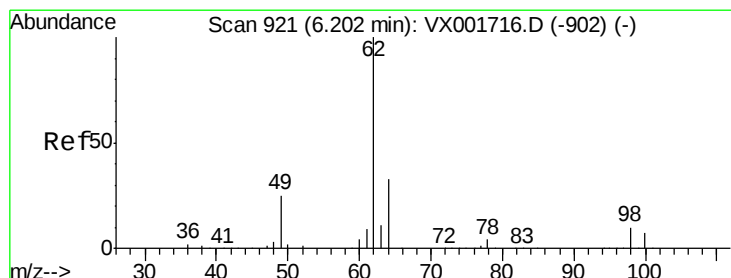
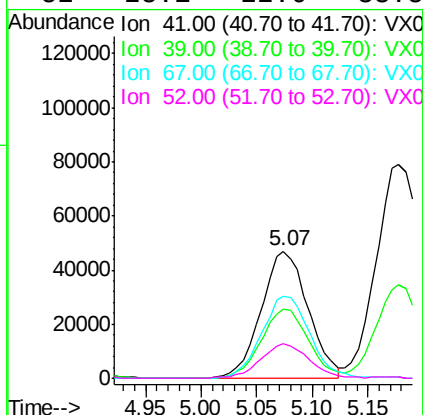
#41
Methacrylonitrile
Concen: 60.91 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	54.6	44.2	66.4		
67	67.3	56.0	84.0		
52	28.1	22.6	33.8		

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

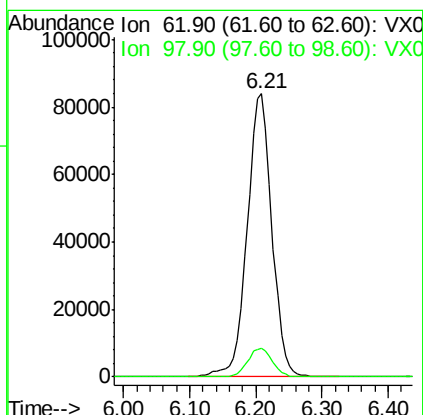
Manual Integrations
APPROVED

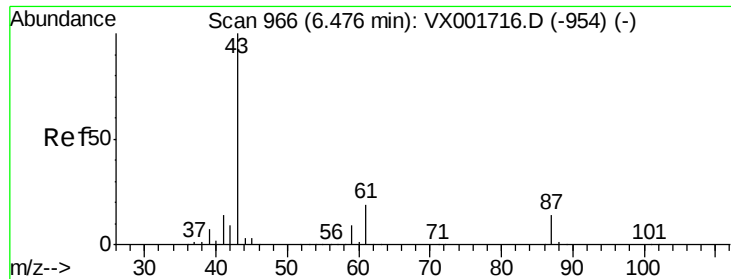
MMDadoda
5/24/2018 11:47:45 AM



#42
1,2-Dichloroethane
Concen: 54.89 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.1	0.0	20.0		





#43

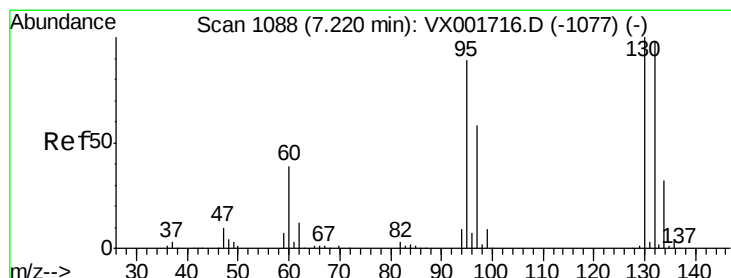
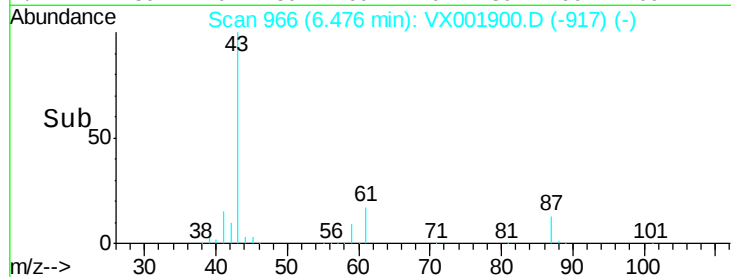
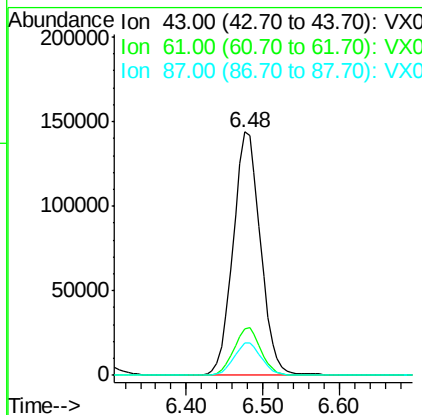
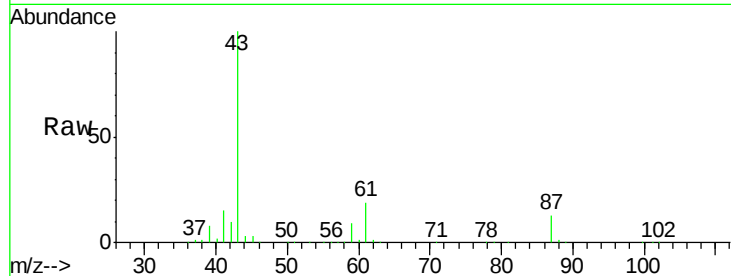
Isopropyl Acetate
 Concen: 58.60 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	13.4	11.0	16.4

Manual Integrations
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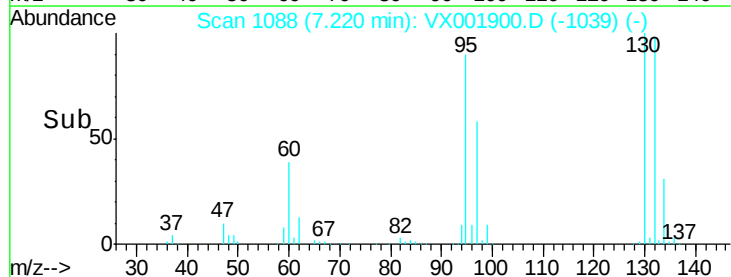
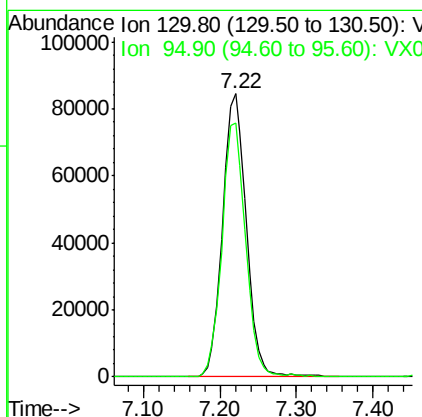
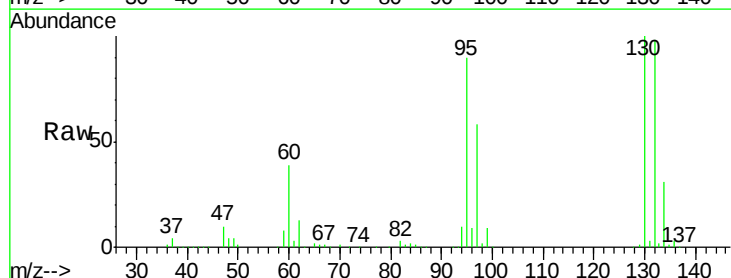
MMDadoda
 5/24/2018 11:47:45 AM

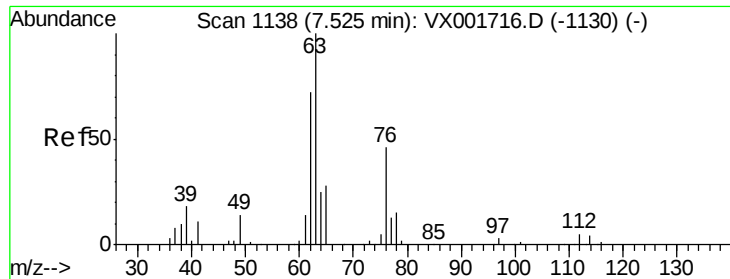


#44

Trichloroethene
 Concen: 53.44 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	177.2





#45

1,2-Dichloropropane

Concen: 56.41 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 63 Resp: 151844

Ion Ratio Lower Upper

63 100

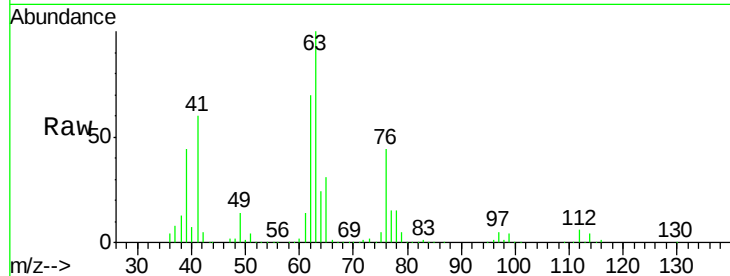
65 30.5 24.2 36.2

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

80000

60000

40000

20000

0

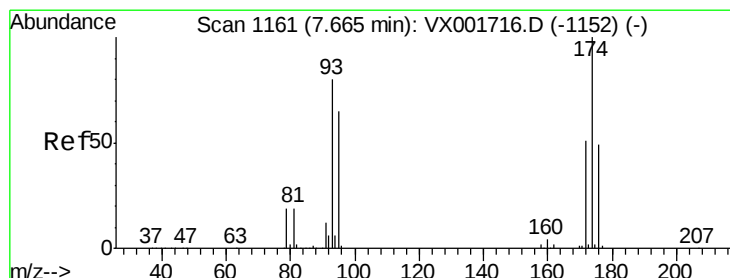
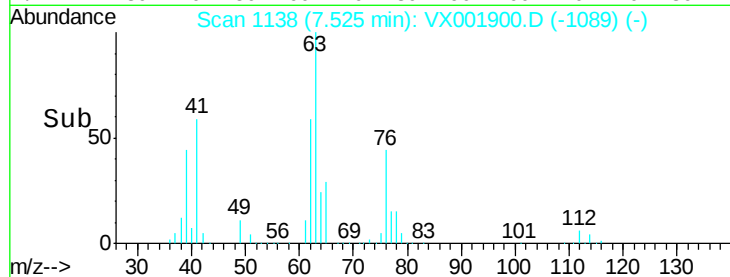
7.40

7.50

7.60

7.70

Time-->



#46

Dibromomethane

Concen: 54.37 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

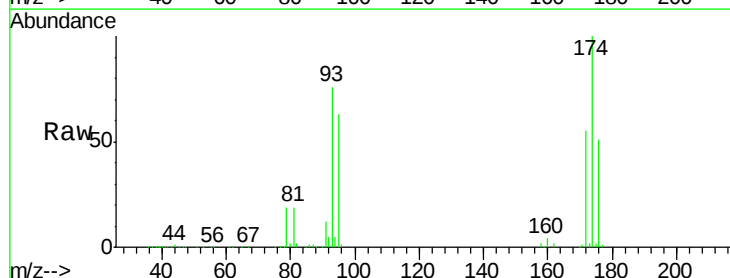
Tgt Ion: 93 Resp: 102771

Ion Ratio Lower Upper

93 100

95 82.5 65.9 98.9

174 131.3 106.2 159.2



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

80000

60000

40000

20000

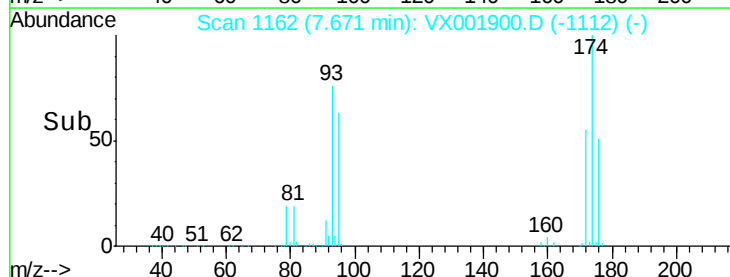
0

7.60

7.70

7.80

Time-->





#47

Bromodichloromethane

Concen: 58.10 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

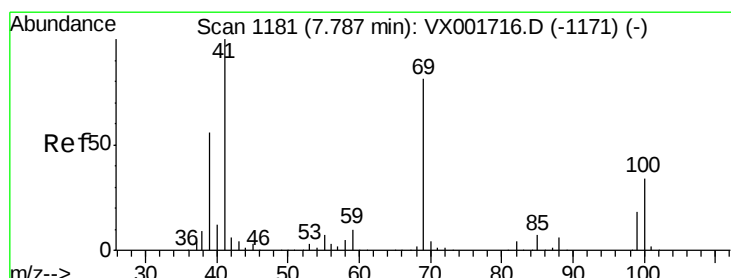
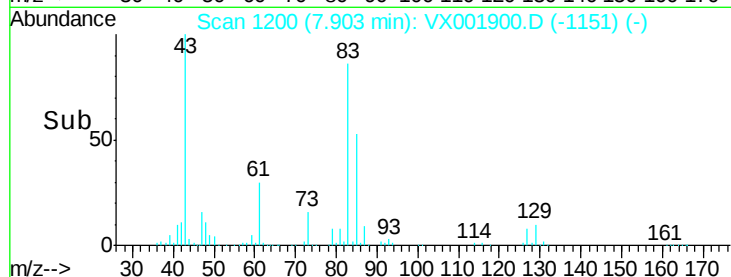
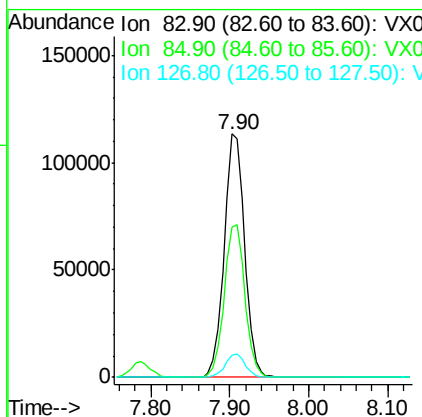
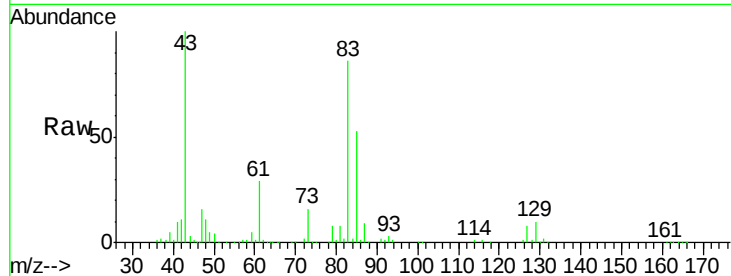
ClientSampleId :

SS036MW004-180515MSD

Tot Ion:	83	Resp:	203781
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.6	74.4
127	9.2	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 61.35 ug/l

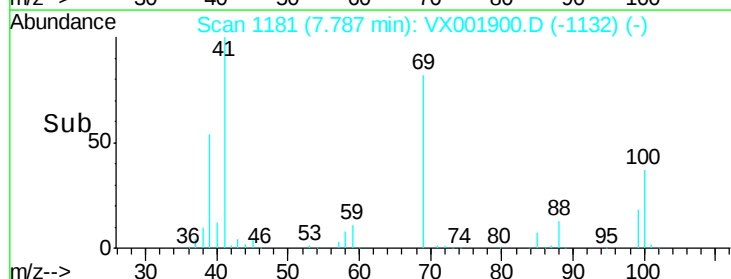
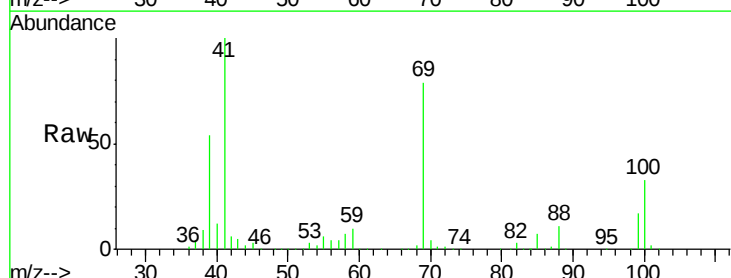
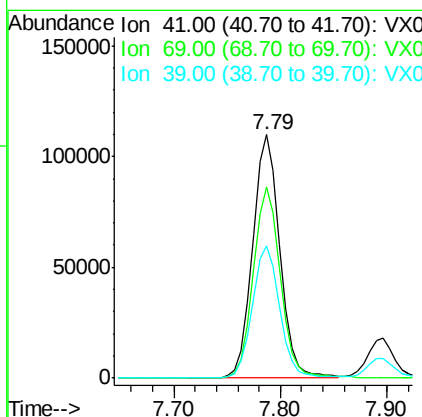
RT: 7.79 min Scan# 1181

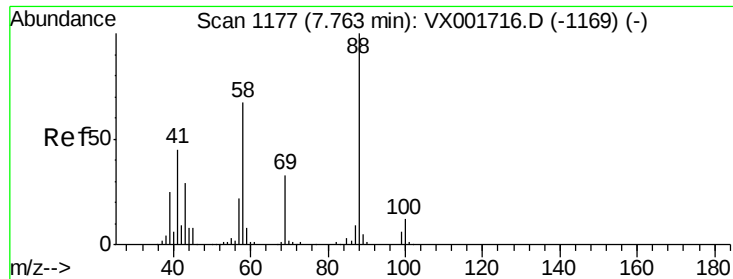
Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tgt Ion:	41	Resp:	196111
Ion	Ratio	Lower	Upper
41	100		
69	79.2	65.2	97.8
39	54.7	44.5	66.7





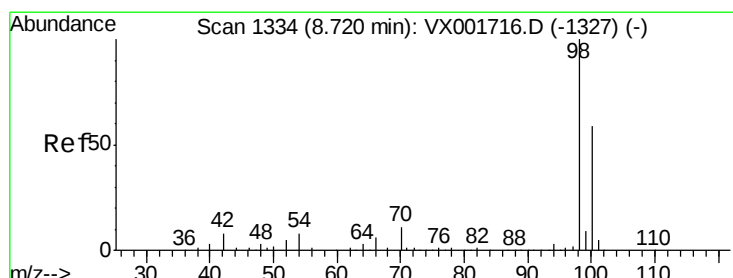
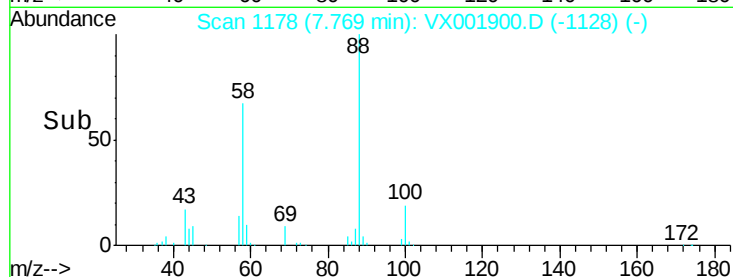
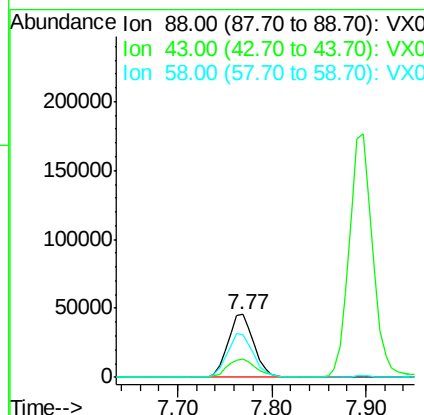
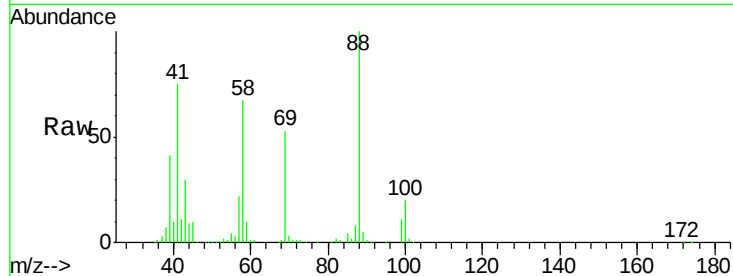
#49
1,4-Dioxane
Concen: 1424.25 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	27.3	40.9
58	69.3	55.9	83.9

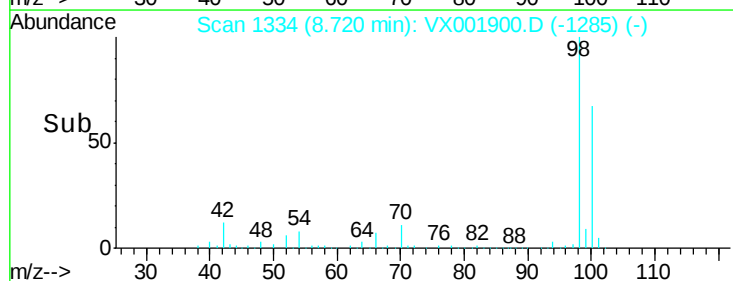
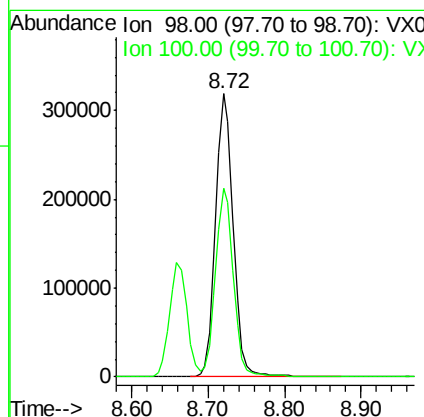
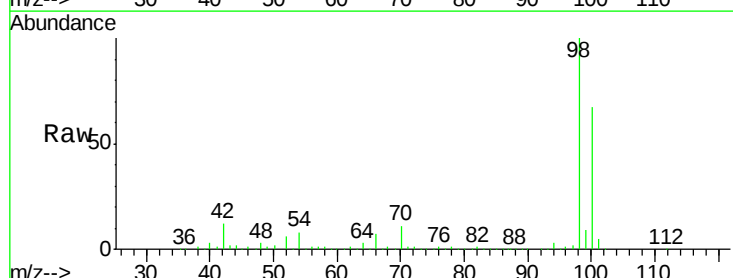
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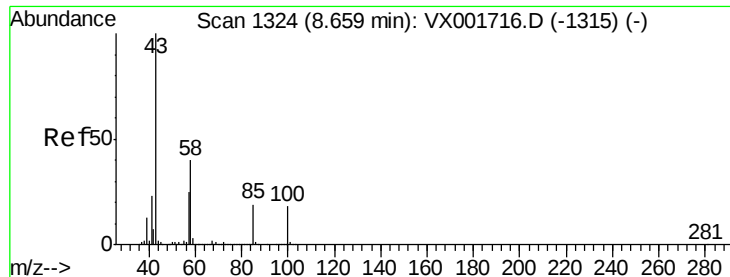
MMDadoda
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#50
Toluene-d8
Concen: 51.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	54.0	81.0





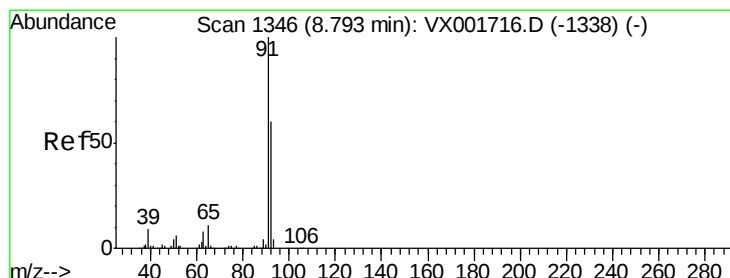
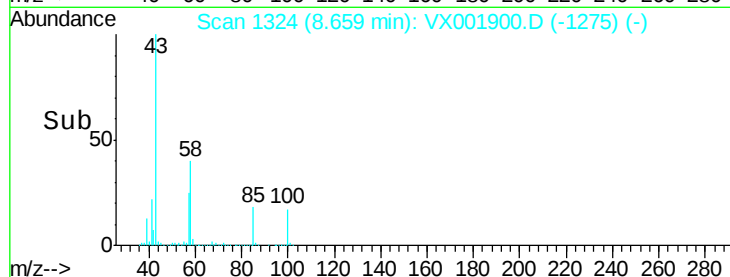
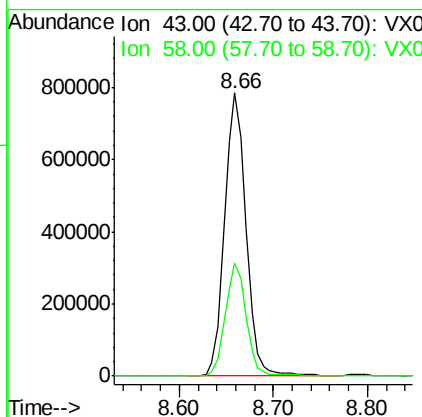
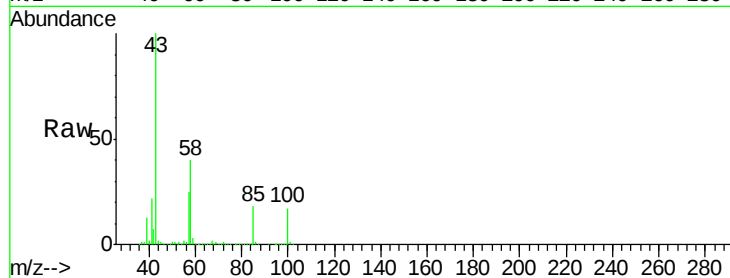
#51
4-Methyl-2-Pentanone
Concen: 322.08 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion: 43 Resp: 1239567
Ion Ratio Lower Upper
43 100
58 39.4 31.4 47.0

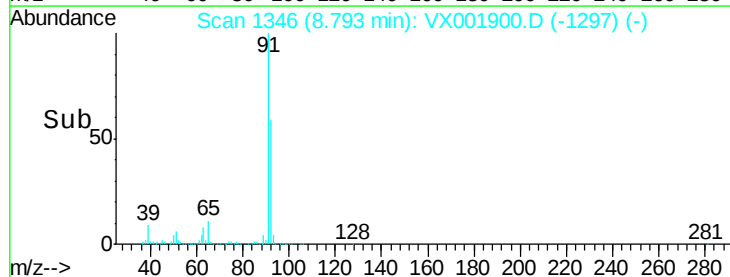
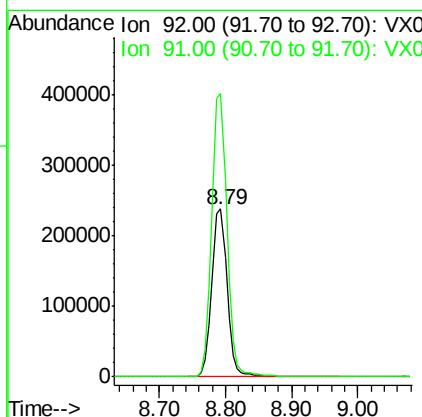
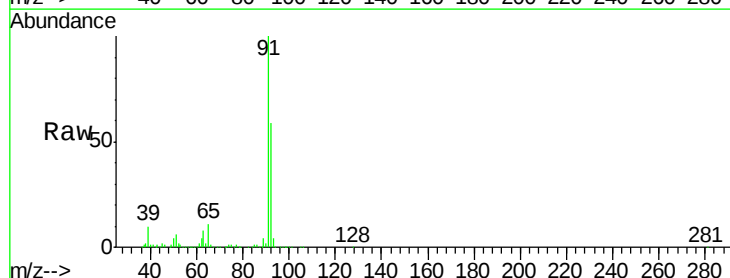
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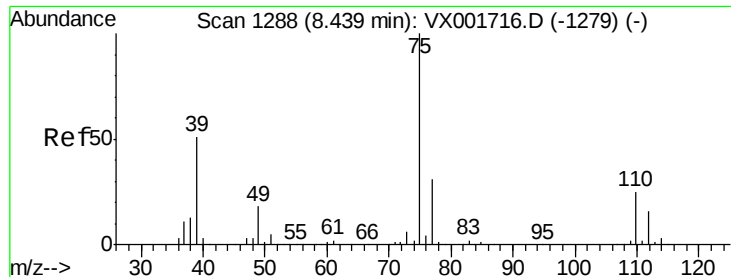
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#52
Toluene
Concen: 54.23 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion: 92 Resp: 382255
Ion Ratio Lower Upper
92 100
91 168.3 135.5 203.3





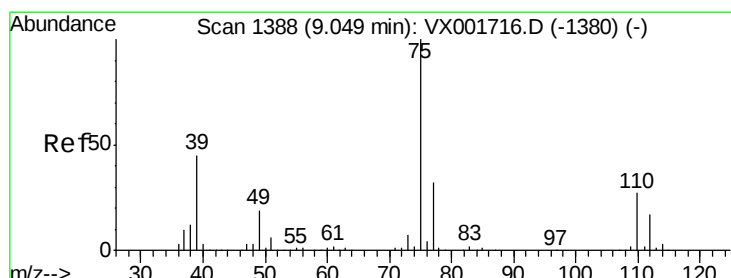
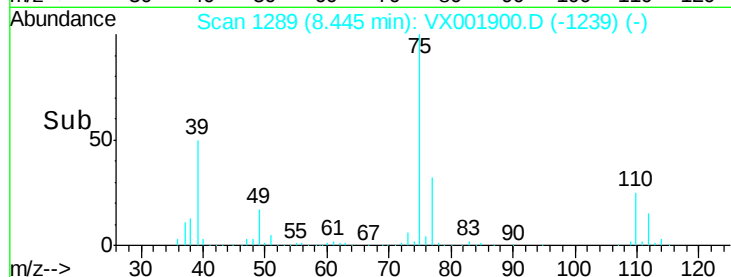
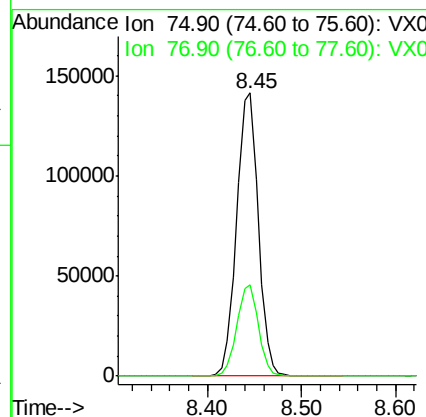
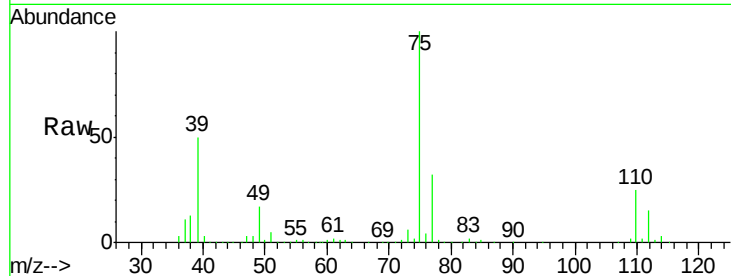
#53
t-1,3-Dichloropropene
Concen: 54.96 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion: 75 Resp: 226819
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6

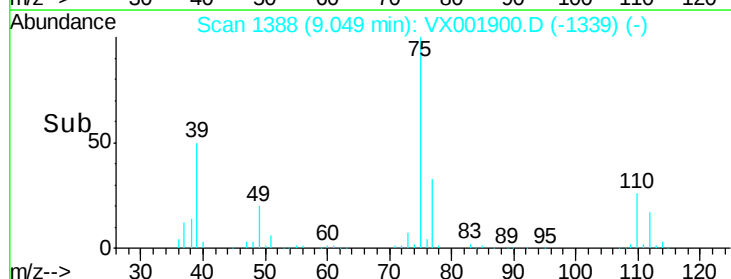
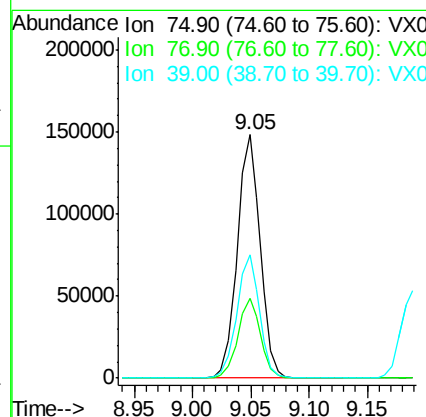
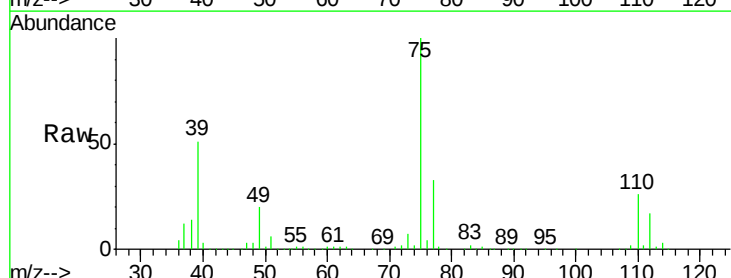
Manual Integrations
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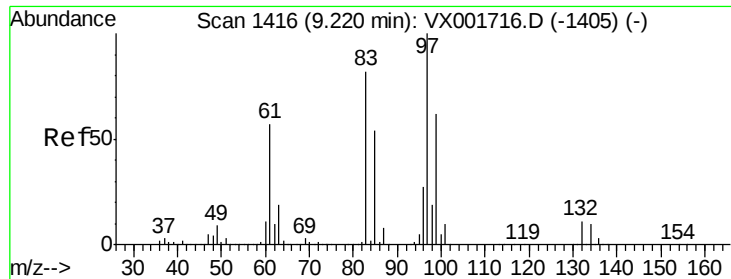
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.80 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion: 75 Resp: 202993
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2
39 50.8 36.1 54.1





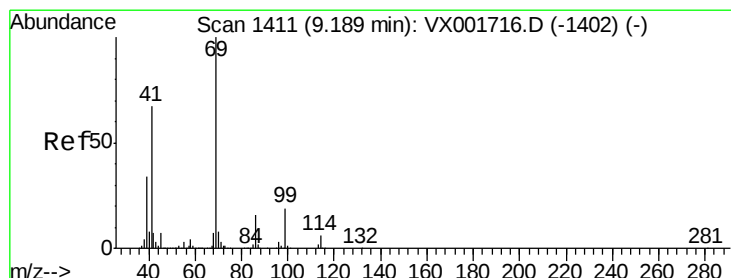
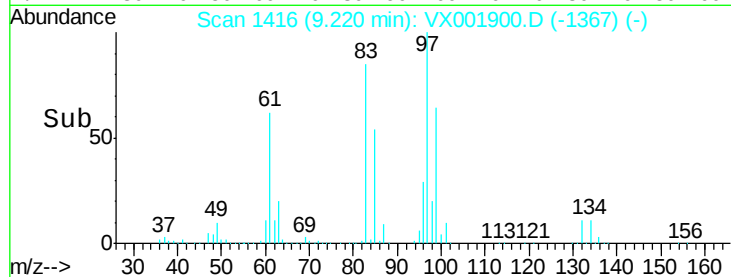
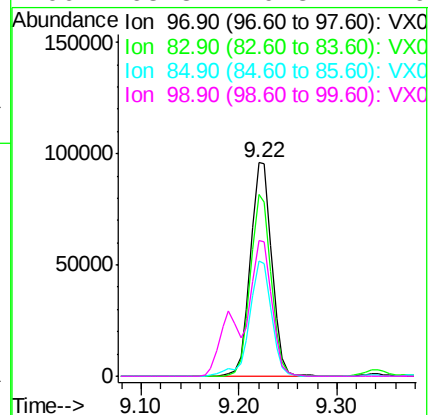
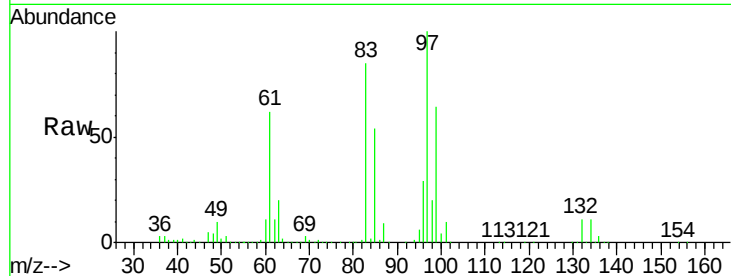
#55
 1,1,2-Trichloroethane
 Concen: 54.09 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		145736		
83	85.1	65.8	98.8		
85	54.1	43.4	65.0		
99	63.8	49.8	74.6		

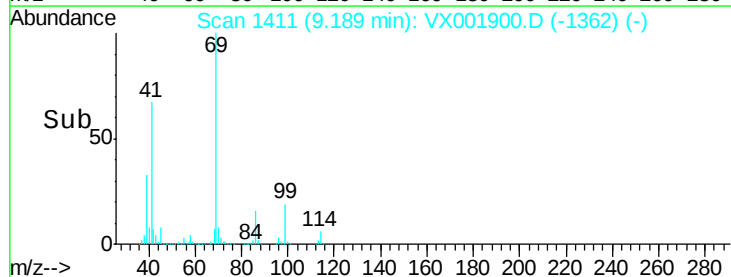
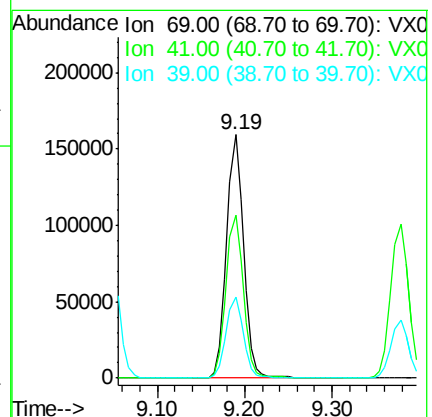
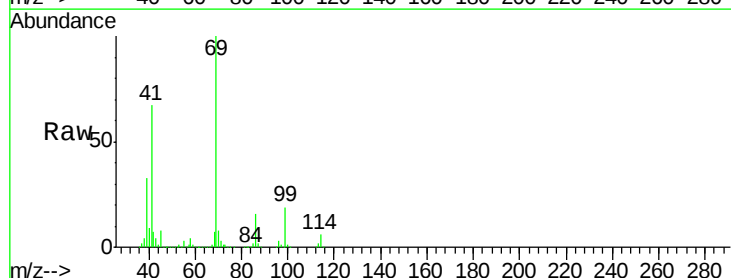
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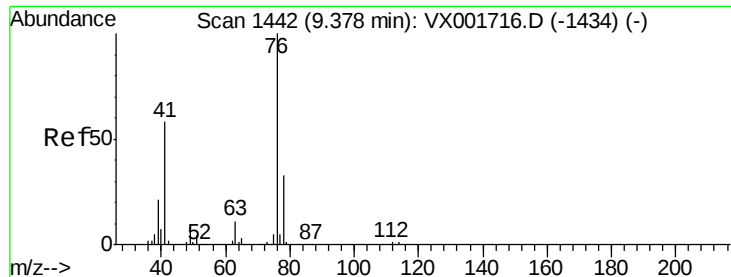
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#56
 Ethyl methacrylate
 Concen: 56.25 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		214948		
41	68.0	53.5	80.3		
39	33.9	27.2	40.8		





#57

1,3-Dichloropropane

Concen: 53.00 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 76 Resp: 239078

Ion Ratio Lower Upper

76 100

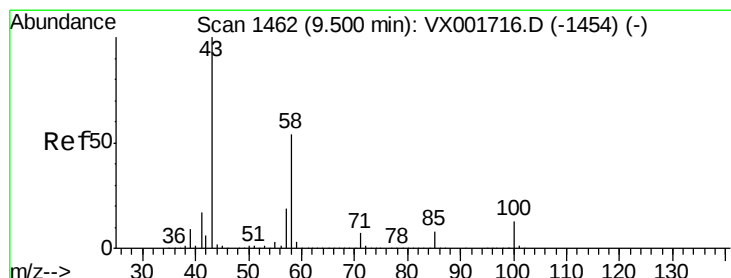
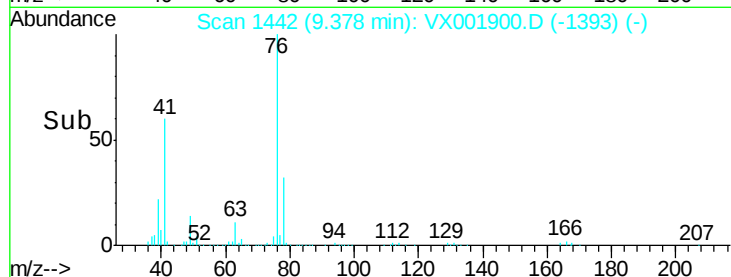
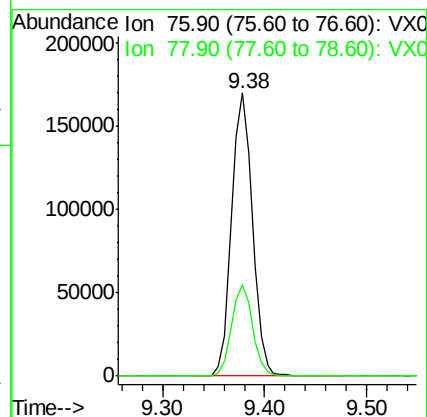
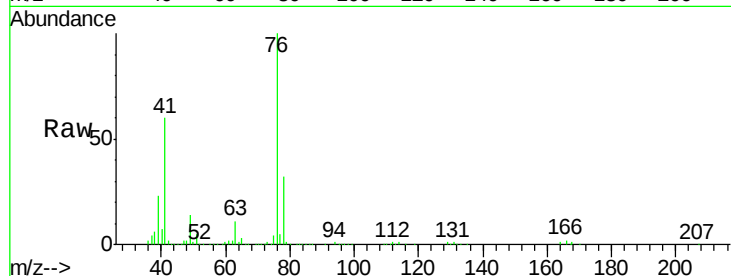
78 32.4 25.8 38.6

Manual Integrations

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MMDadoda

5/24/2018 11:47:45 AM



#59

2-Hexanone

Concen: 318.14 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.01 min

Lab File: VX001900.D

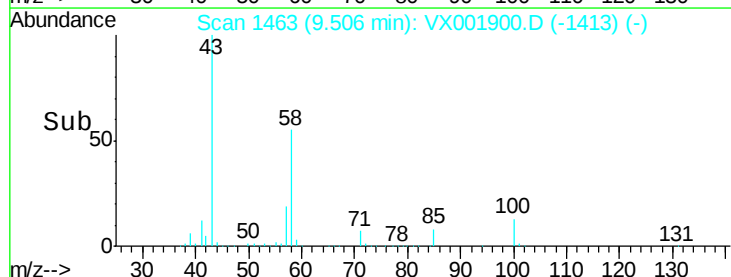
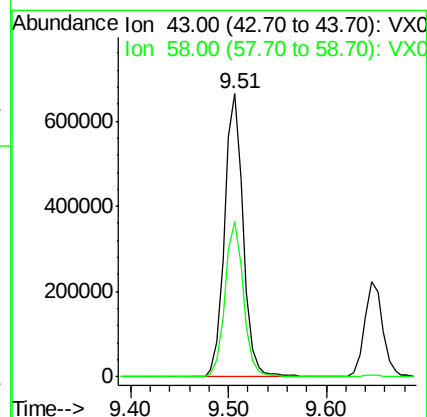
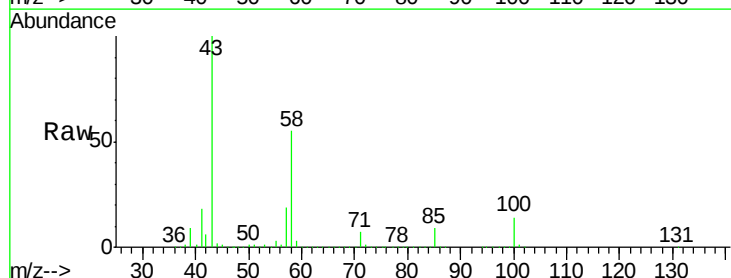
Acq: 22 May 2018 18:17

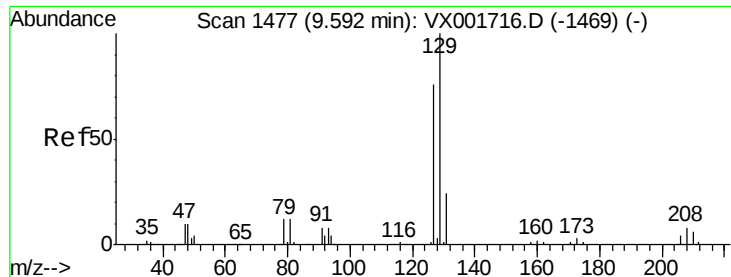
Tgt Ion: 43 Resp: 876496

Ion Ratio Lower Upper

43 100

58 54.5 27.7 83.1





#60

Dibromochloromethane

Concen: 56.68 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion:129 Resp: 156400

Ion Ratio Lower Upper

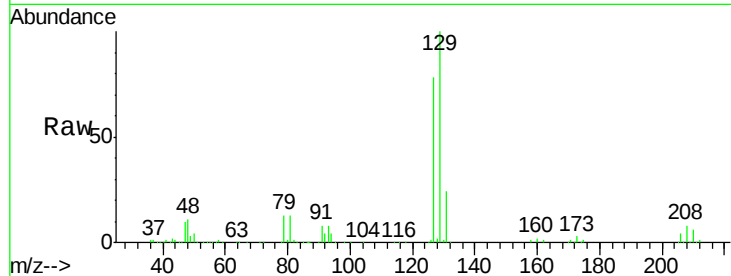
129 100

127 77.6 38.7 116.1

Manual Integrations
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

100000

80000

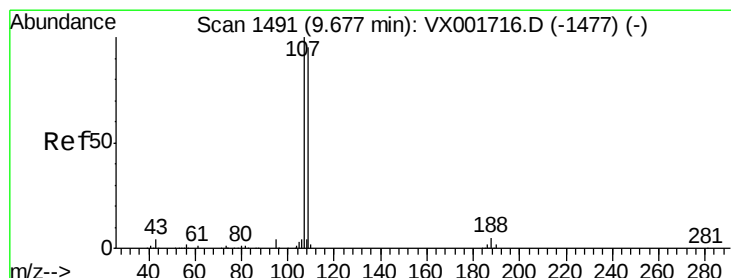
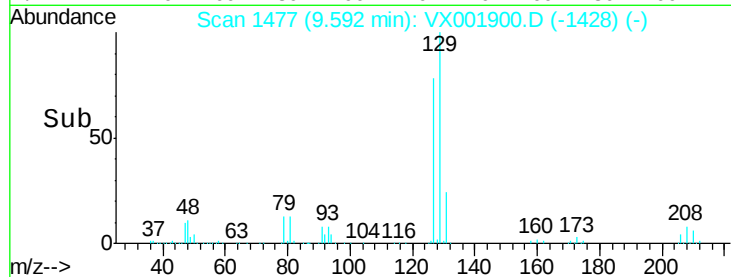
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#61

1,2-Dibromoethane

Concen: 53.43 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001900.D

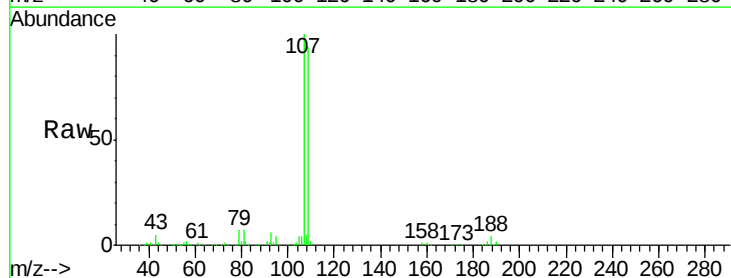
Acq: 22 May 2018 18:17

Tgt Ion:107 Resp: 150725

Ion Ratio Lower Upper

107 100

109 94.6 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

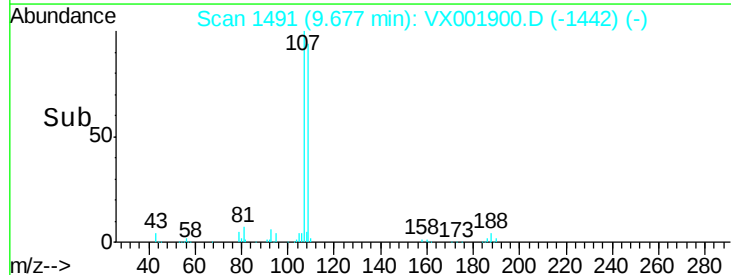
60000

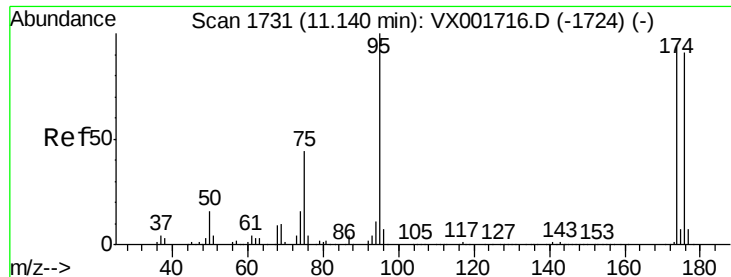
40000

20000

0

Time--> 9.60 9.65 9.70 9.75 9.80





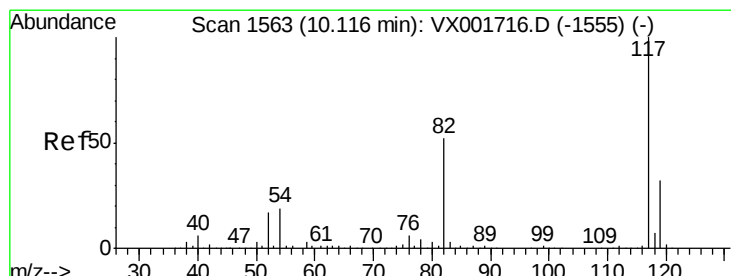
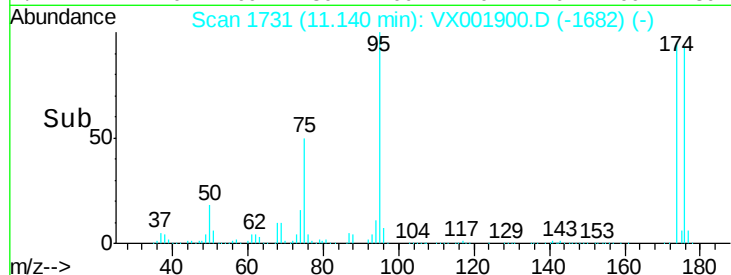
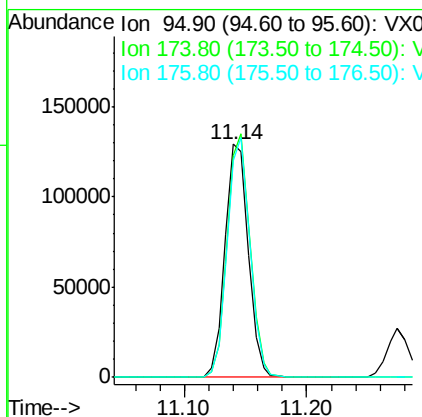
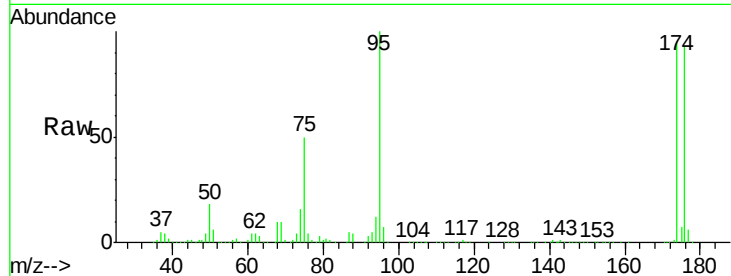
#62
4-Bromofluorobenzene
Concen: 48.29 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	169956		
174	101.8	0.0	201.8	
176	99.6	0.0	196.8	

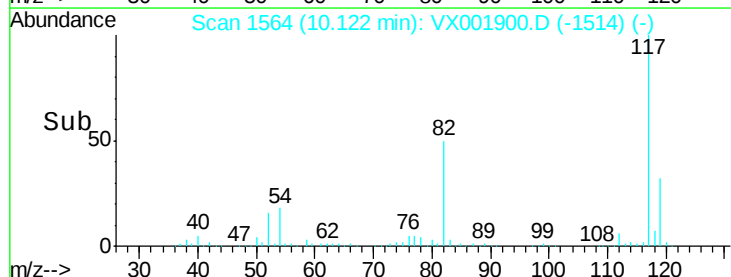
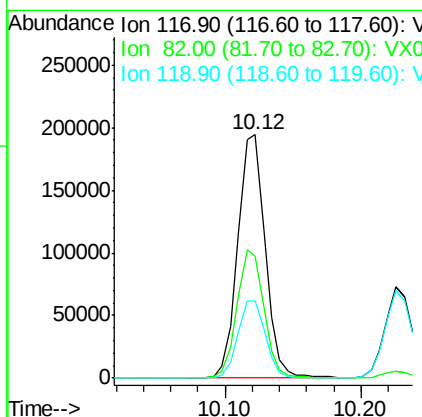
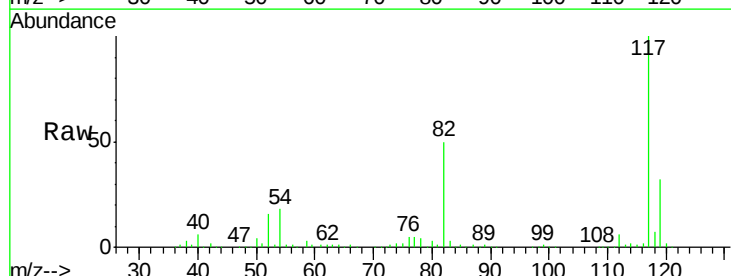
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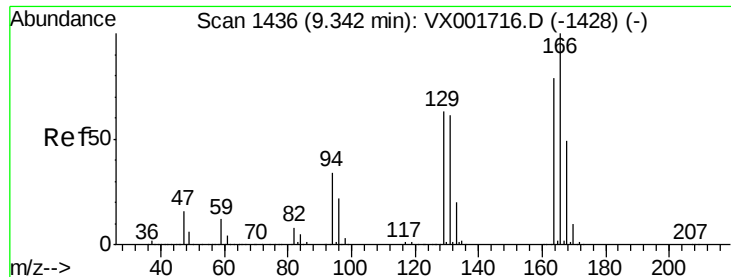
MMDadoda
5/24/2018 11:47:45 AM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	272558		
82	49.9	41.4	62.2	
119	31.9	25.6	38.4	





#64

Tetrachloroethene

Concen: 64.30 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion:164 Resp: 228153

Ion Ratio Lower Upper

164 100

166 132.1 101.8 152.8

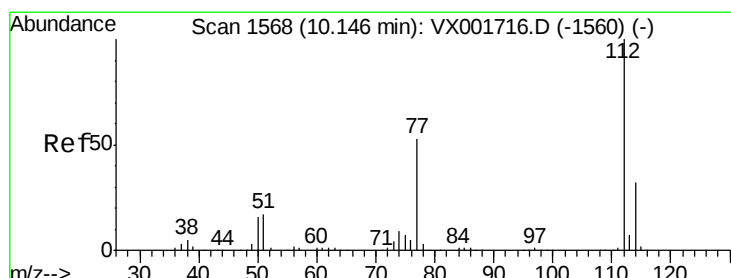
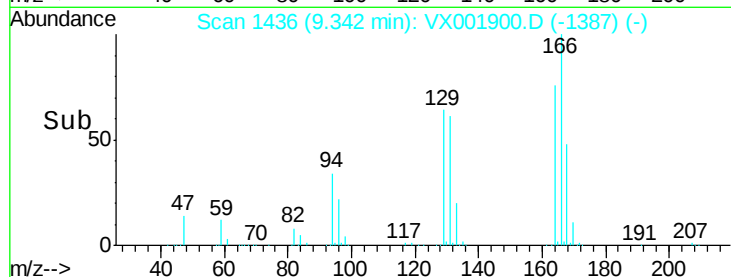
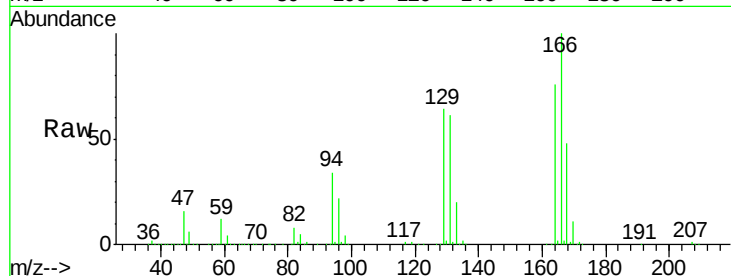
129 84.8 63.8 95.6

131 80.4 62.2 93.2

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#65

Chlorobenzene

Concen: 52.41 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001900.D

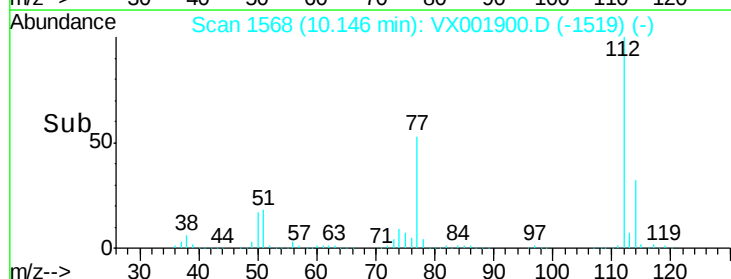
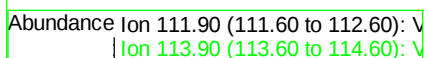
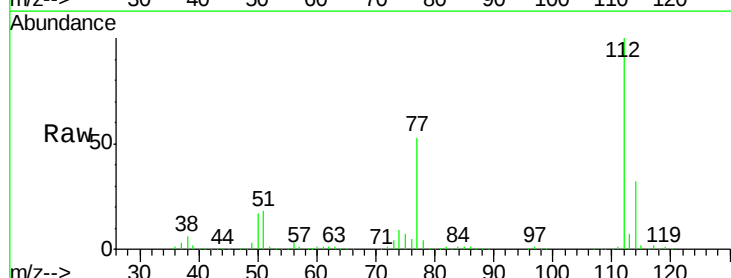
Acq: 22 May 2018 18:17

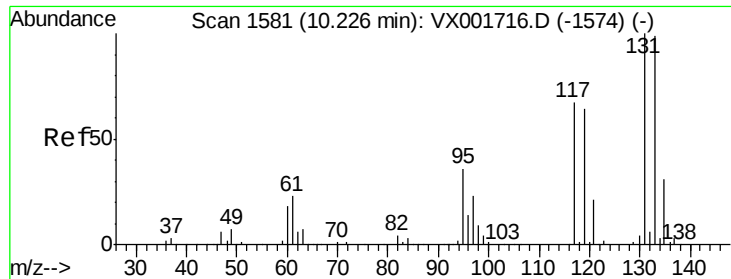
Tgt Ion:112 Resp: 392901

Ion Ratio Lower Upper

112 100

114 32.5 25.6 38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 57.49 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

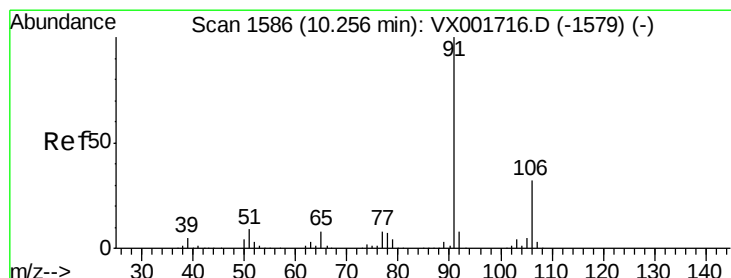
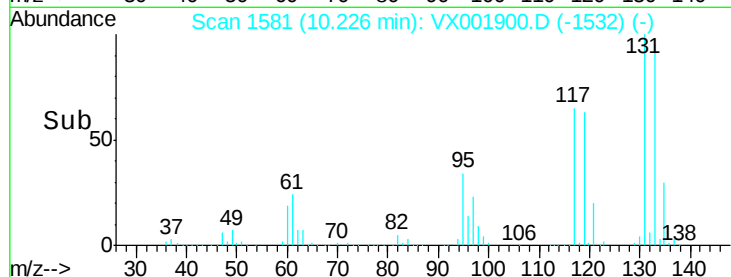
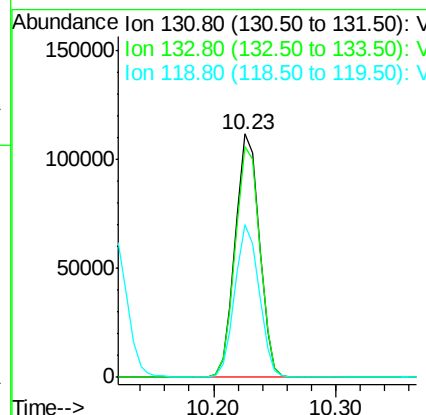
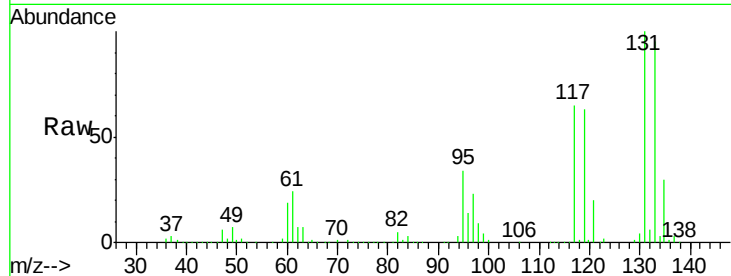
ClientSampleId :

SS036MW004-180515MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.5	145.6
119	62.9	31.9	95.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 53.76 ug/l

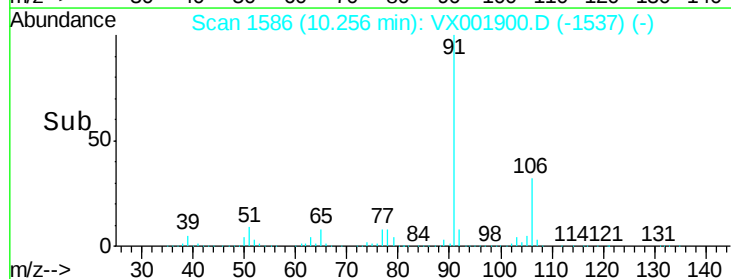
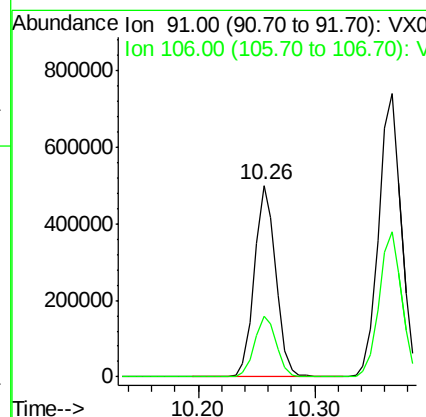
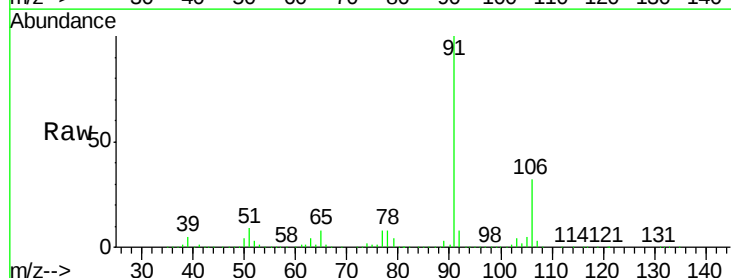
RT: 10.26 min Scan# 1586

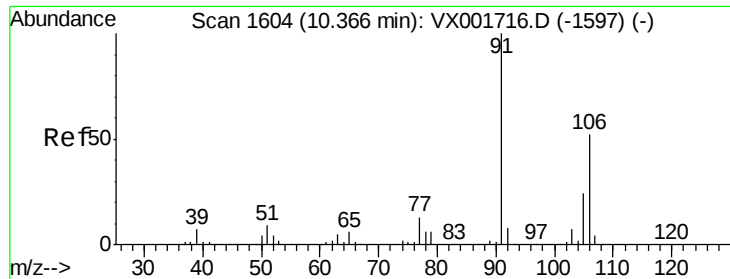
Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.7	38.5





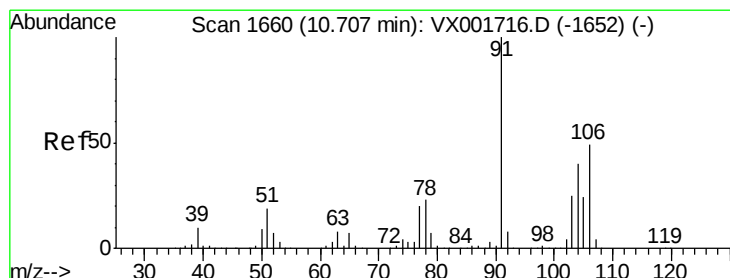
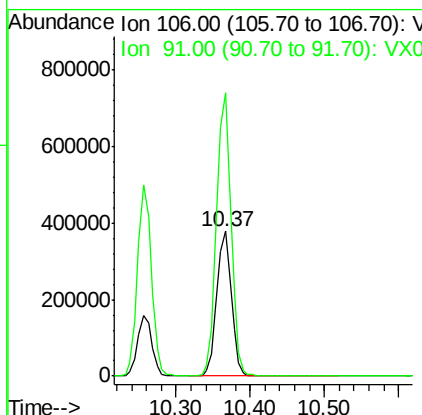
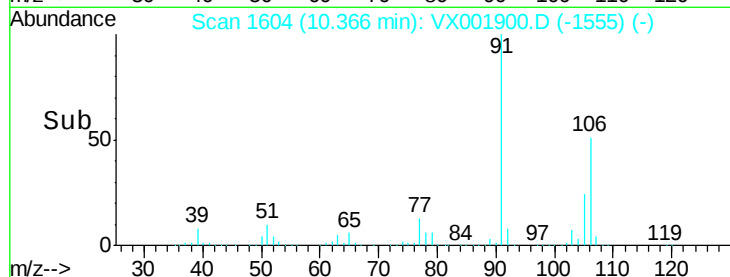
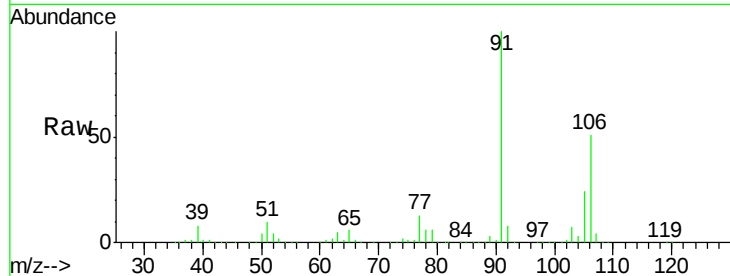
#68
m/p-Xylenes
Concen: 108.52 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion:106 Resp: 513005
Ion Ratio Lower Upper
106 100
91 194.4 155.4 233.2

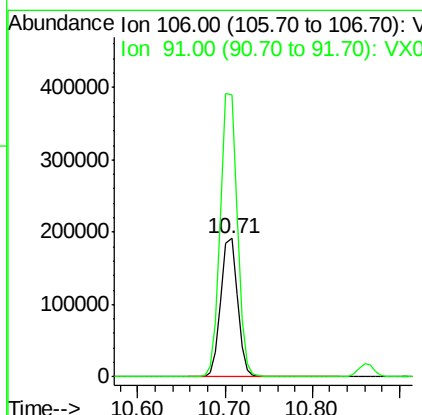
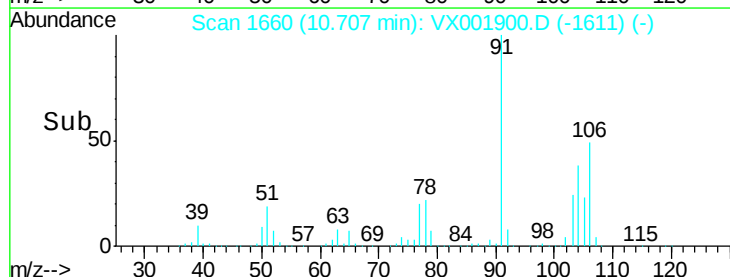
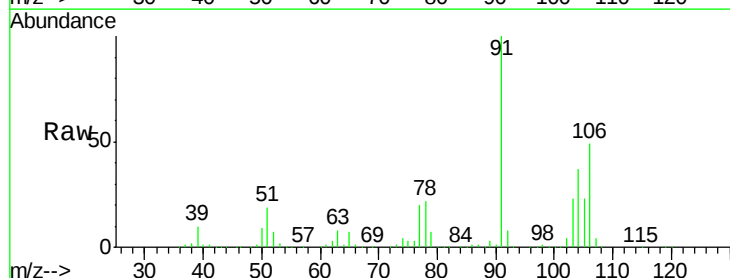
Manual Integrations
APPROVED

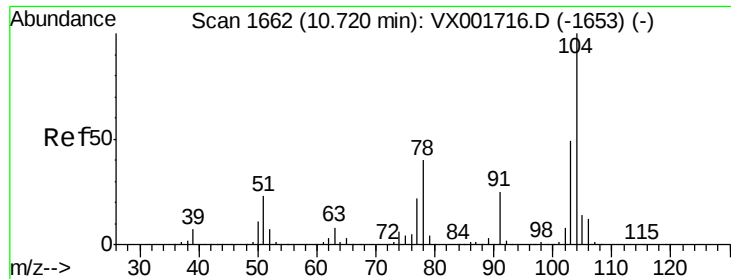
MMDadoda
5/24/2018 11:47:45 AM



#69
o-Xylene
Concen: 55.97 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion:106 Resp: 253370
Ion Ratio Lower Upper
106 100
91 206.4 103.4 310.2





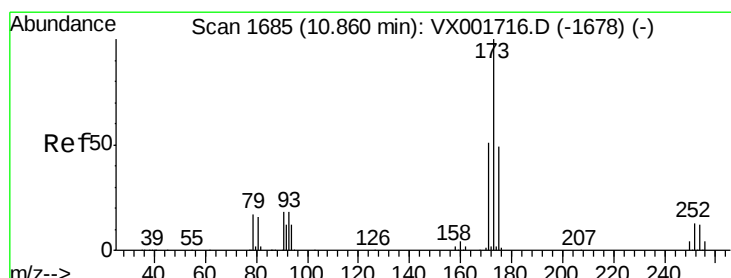
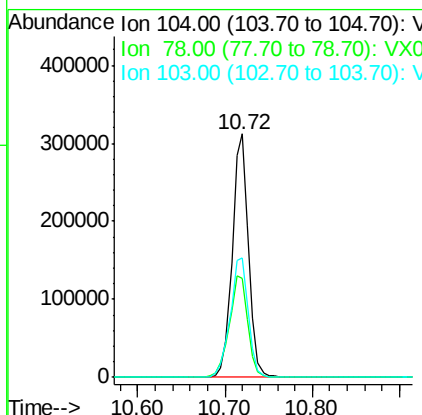
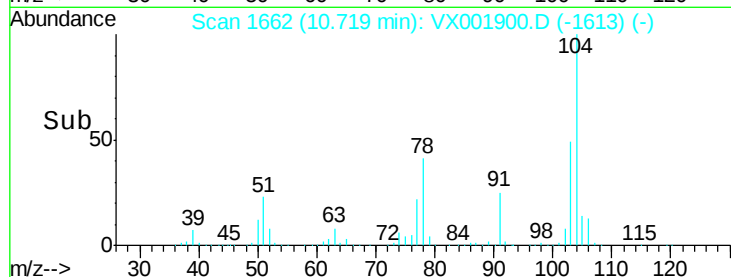
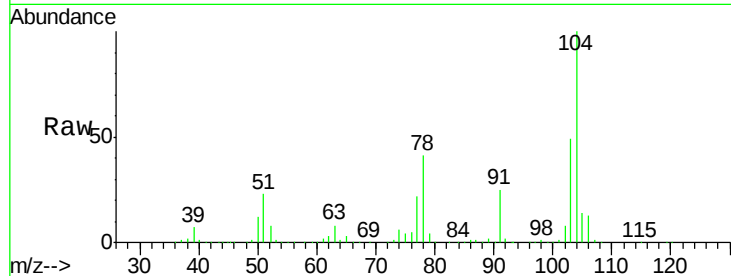
#70
Stvrene
Concen: 54.24 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.3	55.9
103	55.0	43.7	65.5

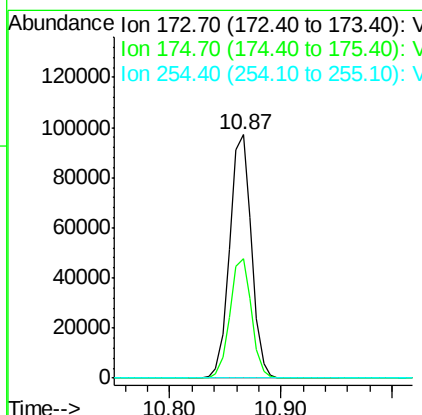
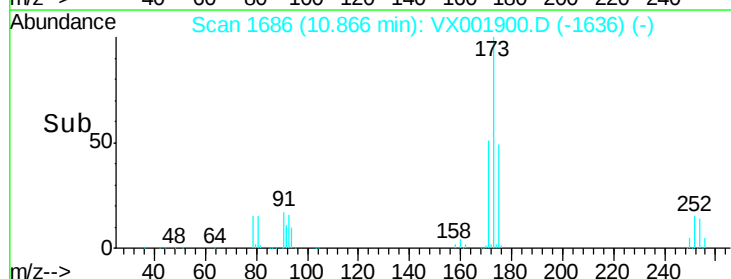
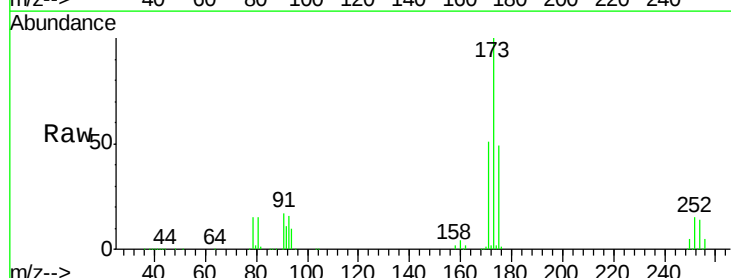
Manual Integrations
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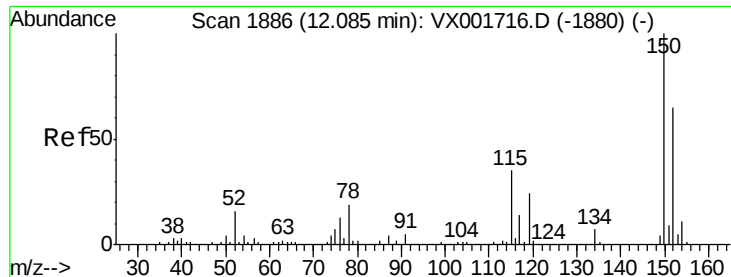
MMDadoda
5/24/2018 11:47:45 AM



#71
Bromoform
Concen: 52.76 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

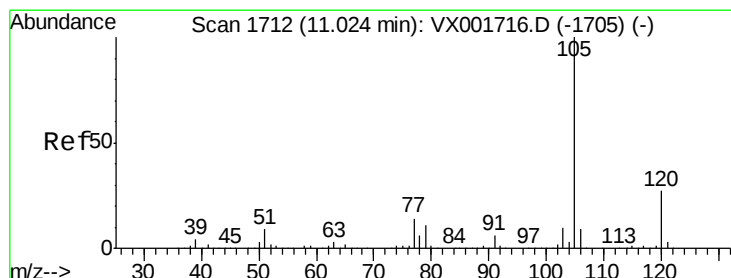
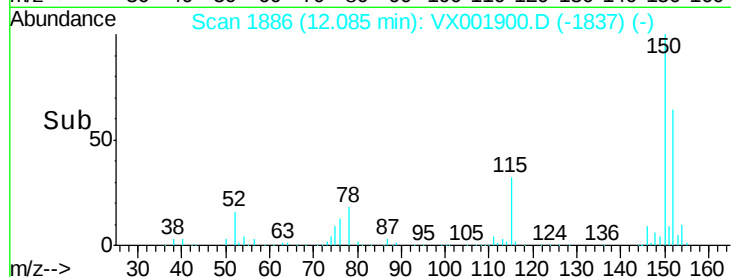
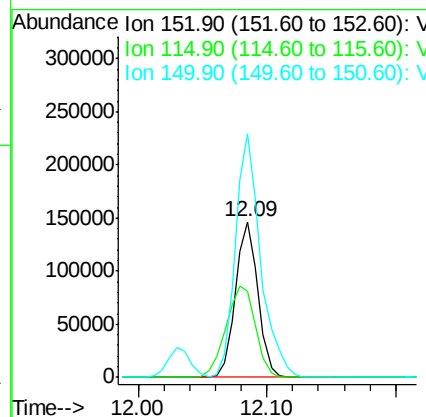
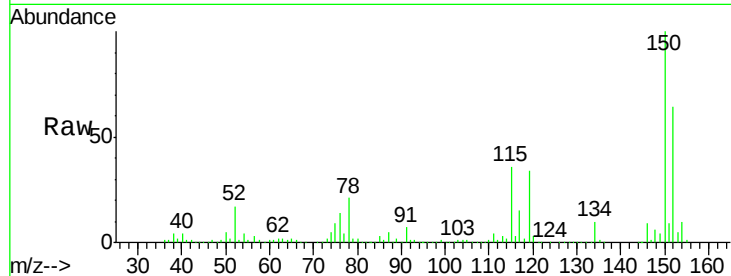
ClientSampleId :

SS036MW004-180515MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	77.4	37.4	112.2
150	176.2	0.0	344.8

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#73

Isopropylbenzene

Concen: 57.51 ug/l

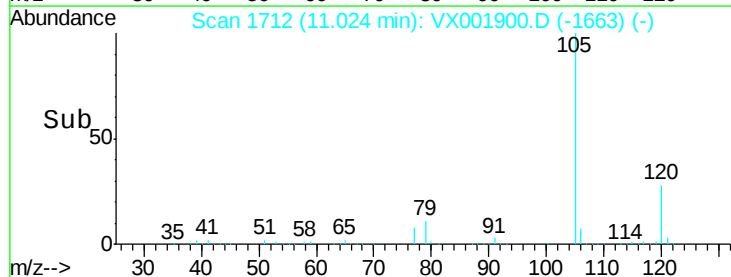
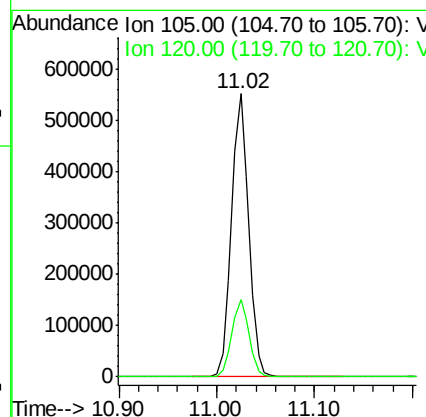
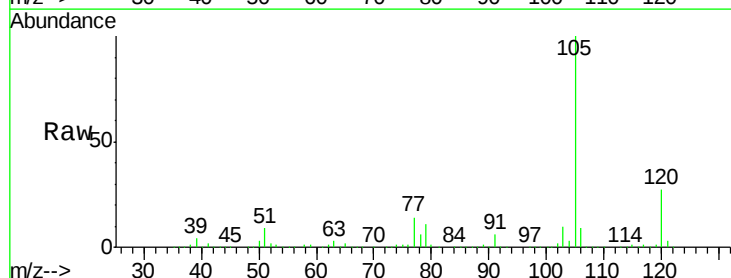
RT: 11.02 min Scan# 1712

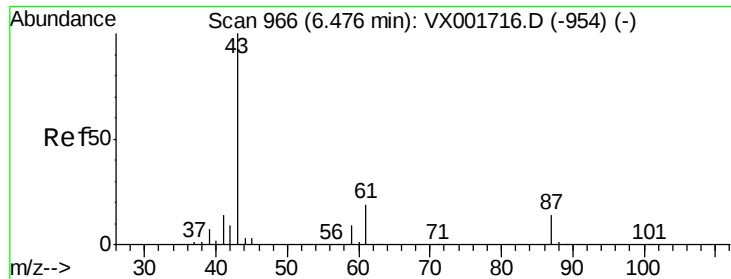
Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.8	41.3





#74

N-amvl acetate

Concen: 63.27 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

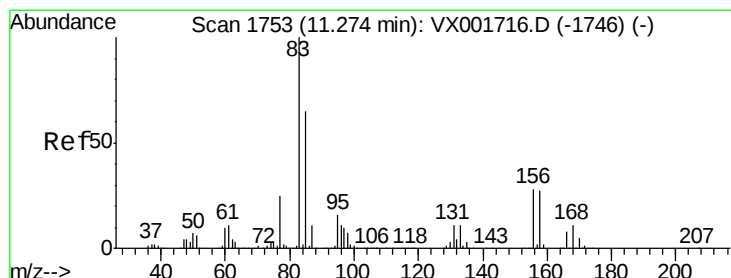
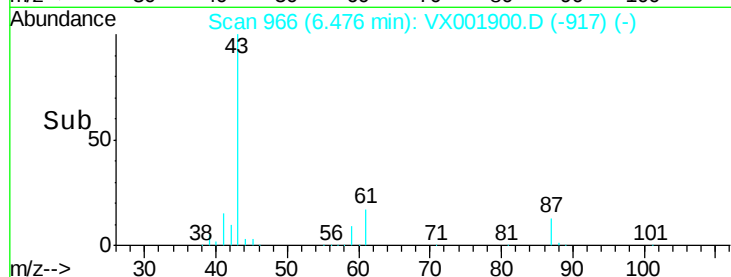
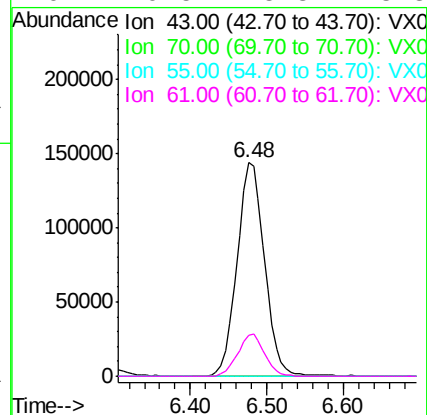
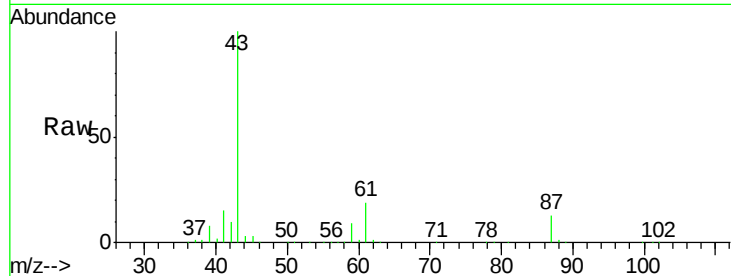
ClientSampleId :

SS036MW004-180515MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		355854		
70	0.0	0.0	0.0		
55	0.1	0.1	0.1		
61	19.5	15.8	23.8		

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#75

1,1,2,2-Tetrachloroethane

Concen: 60.50 ug/l

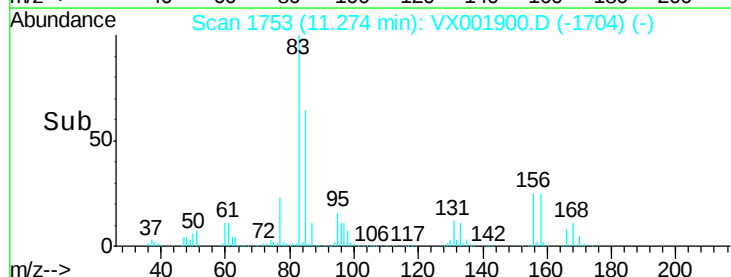
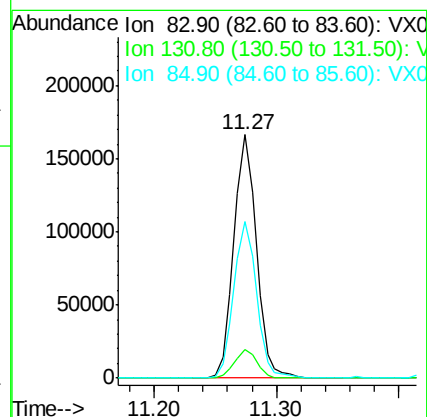
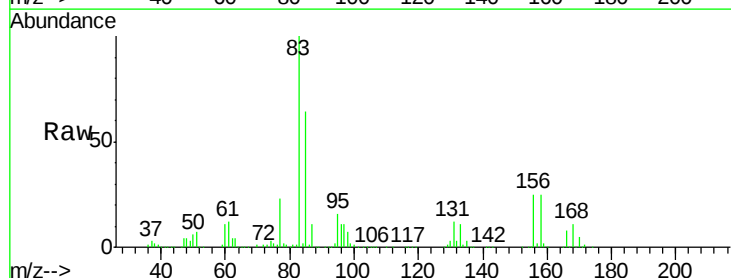
RT: 11.27 min Scan# 1753

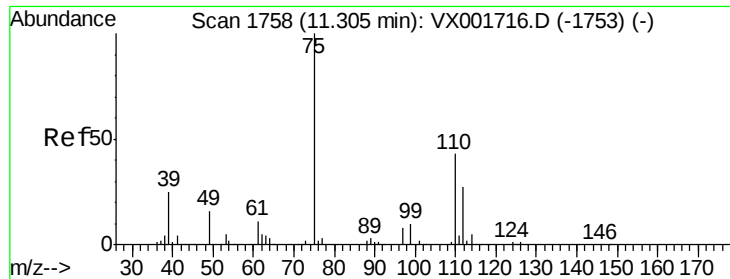
Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		212907		
131	11.5	5.7	17.0		
85	64.9	32.7	98.1		





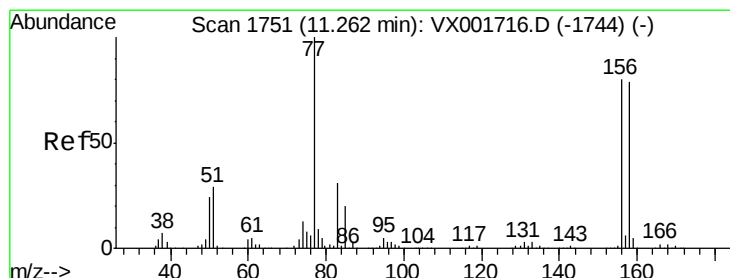
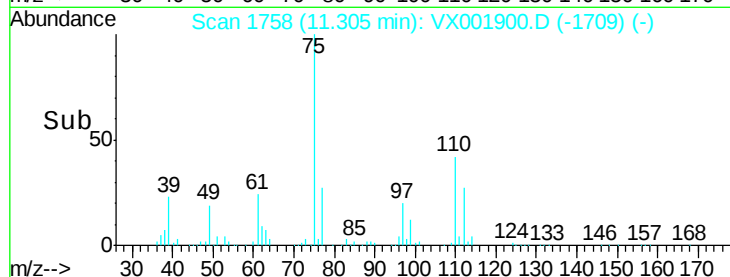
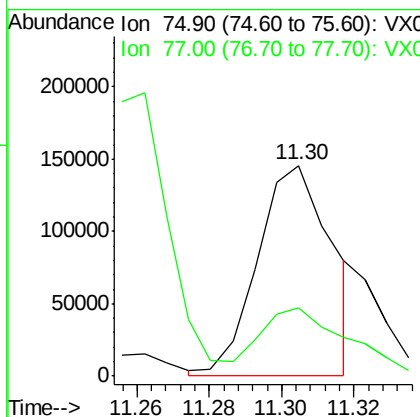
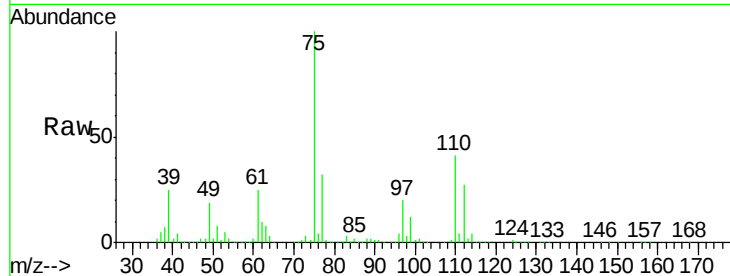
#76
 1,2,3-Trichloropropane
 Concen: 61.06 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Tot Ion: 75 Resp: 206852
 Ion Ratio Lower Upper
 75 100
 77 38.2 18.9 56.7

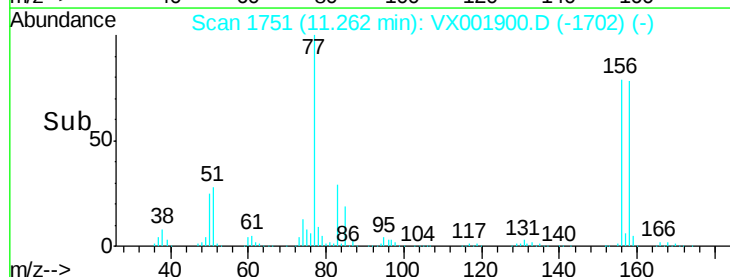
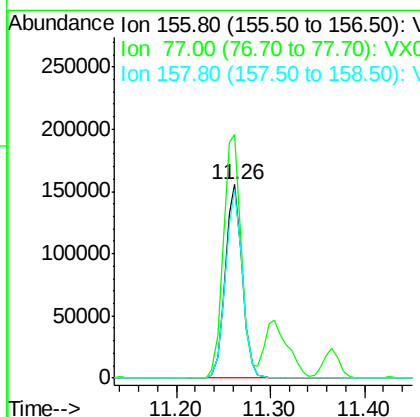
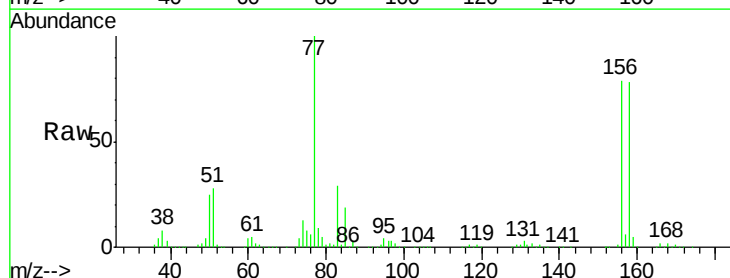
Manual Integrations
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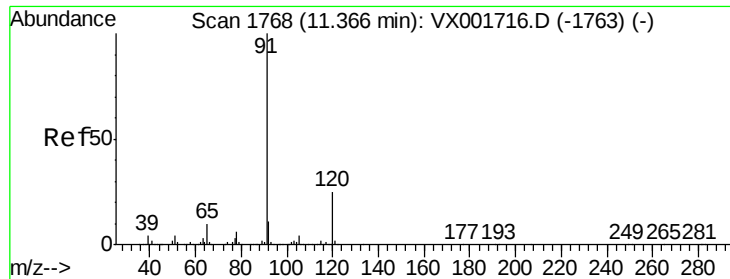
MMDadoda
 5/24/2018 11:47:45 AM



#77
 Bromobenzene
 Concen: 56.04 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Tgt Ion: 156 Resp: 193203
 Ion Ratio Lower Upper
 156 100
 77 132.7 65.3 196.0
 158 97.5 49.1 147.3





#78

n-propylbenzene

Concen: 55.58 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

ClientSampleId :

SS036MW004-180515MSD

Tot Ion: 91 Resp: 734636

Ion Ratio Lower Upper

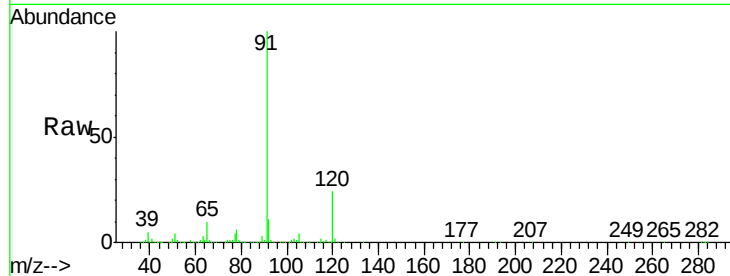
91 100

120 24.7 12.5 37.5

Manual Integrations
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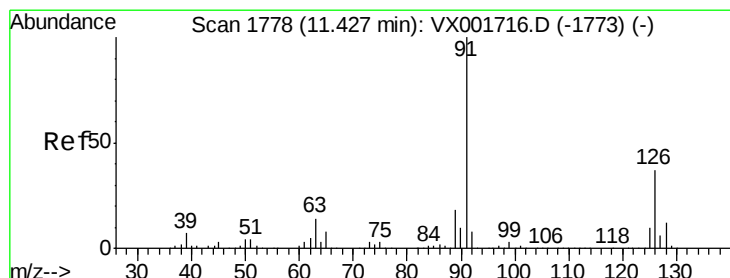
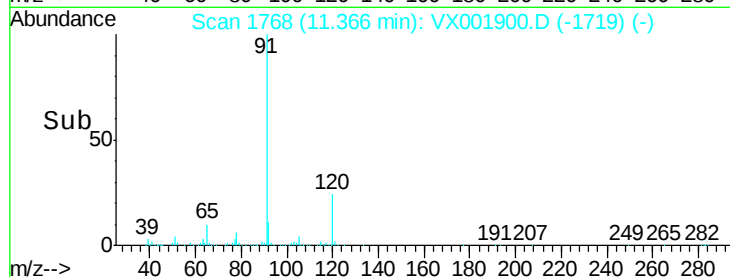
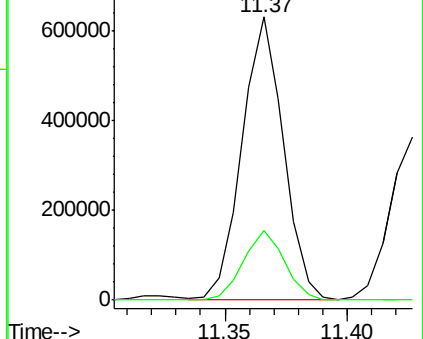
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 56.42 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001900.D

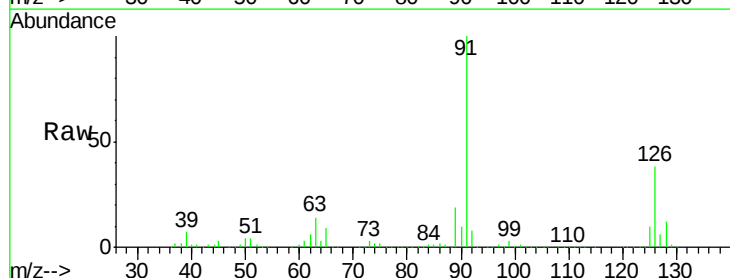
Acq: 22 May 2018 18:17

Tgt Ion: 91 Resp: 445983

Ion Ratio Lower Upper

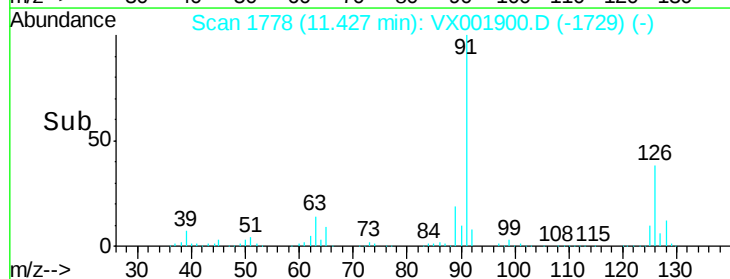
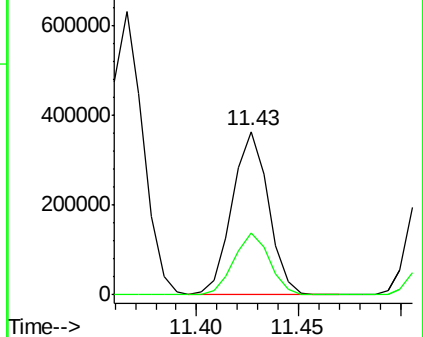
91 100

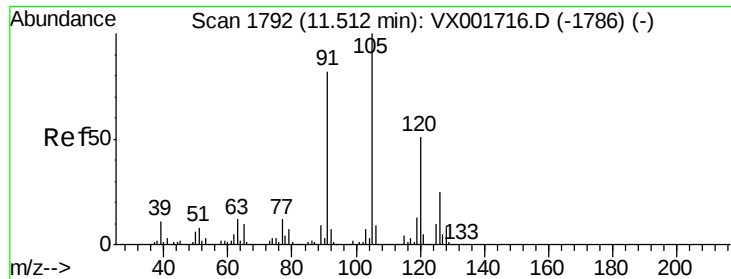
126 37.2 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





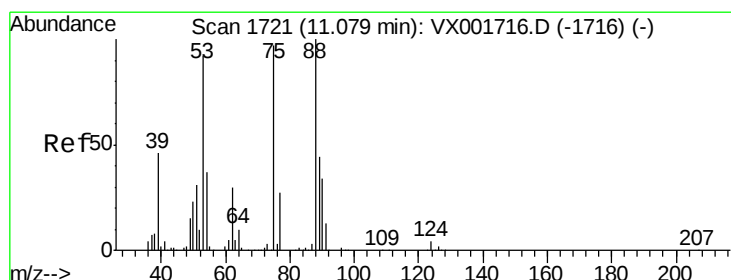
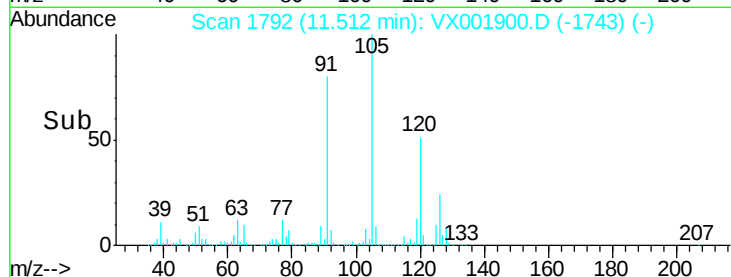
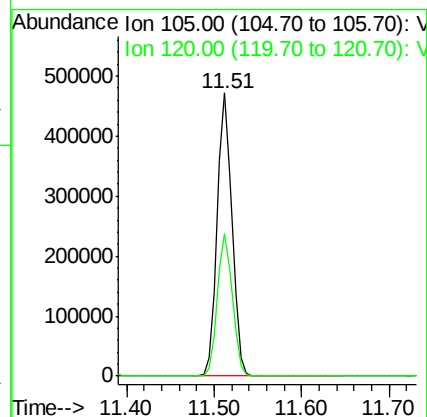
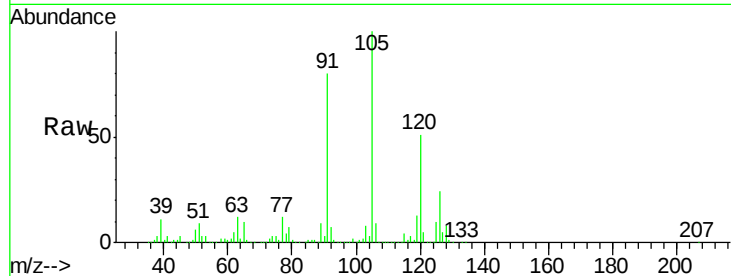
#80
 1,3,5-Trimethylbenzene
 Concen: 57.80 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Tot Ion:105 Resp: 556293
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.7 77.0

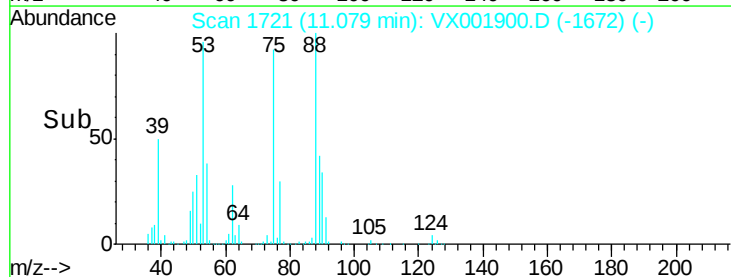
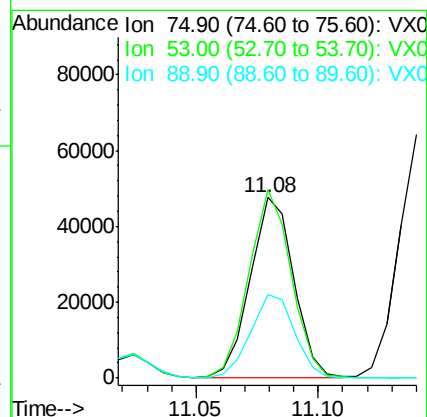
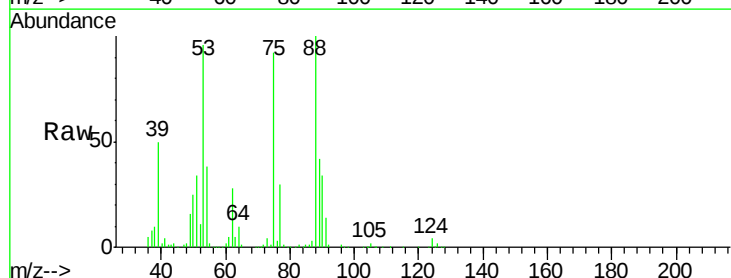
Manual Integrations
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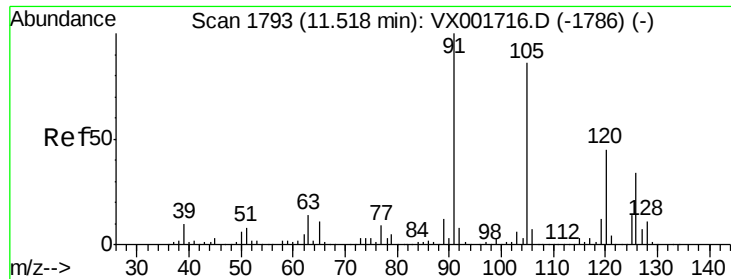
MMDadoda
 5/24/2018 11:47:45 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.09 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Tgt Ion: 75 Resp: 58157
 Ion Ratio Lower Upper
 75 100
 53 103.2 79.4 119.2
 89 47.6 38.8 58.2





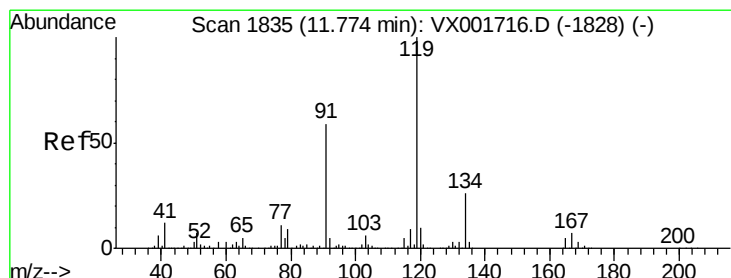
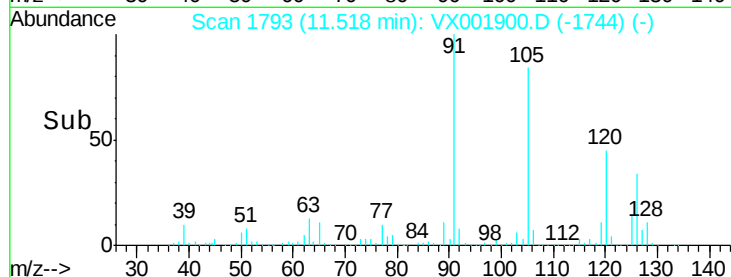
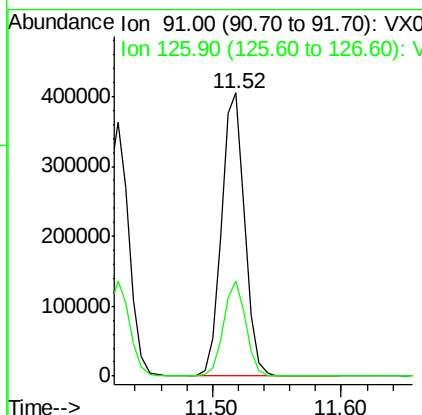
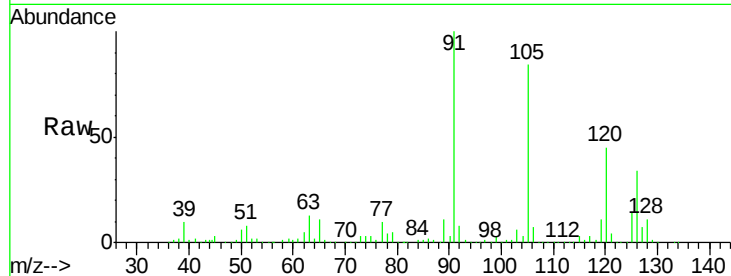
#82
4-Chlorotoluene
Concen: 54.96 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion: 91 Resp: 511840
Ion Ratio Lower Upper
91 100
126 32.4 16.4 49.1

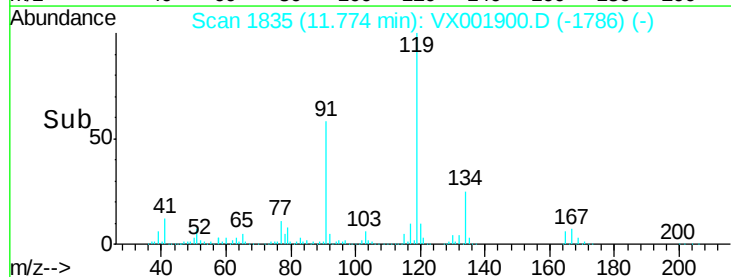
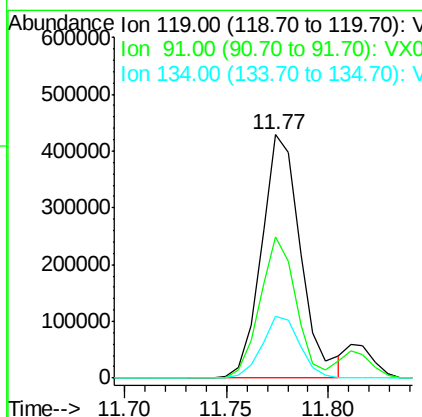
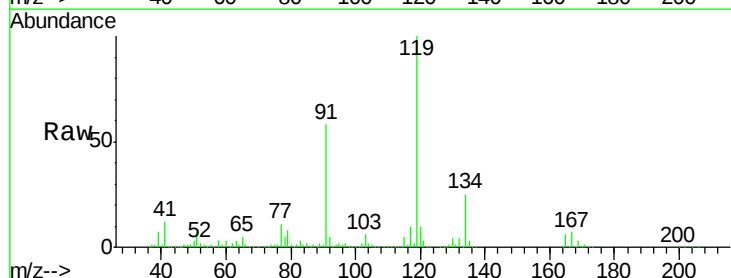
Manual Integrations
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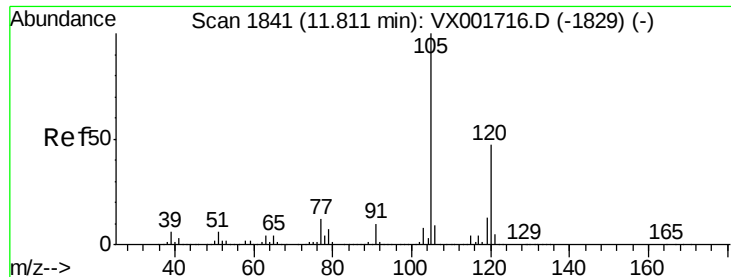
MMDadoda
5/24/2018 11:47:45 AM



#83
tert-Butylbenzene
Concen: 59.99 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion: 119 Resp: 574590
Ion Ratio Lower Upper
119 100
91 53.3 27.7 83.0
134 24.3 12.7 38.1





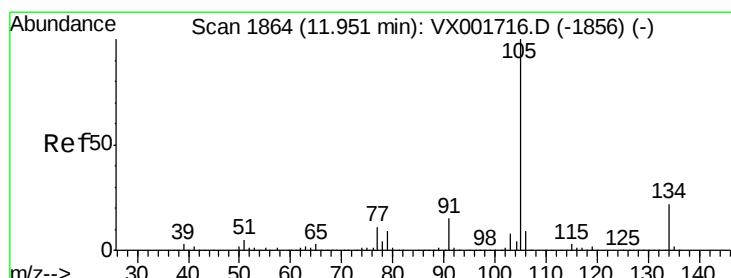
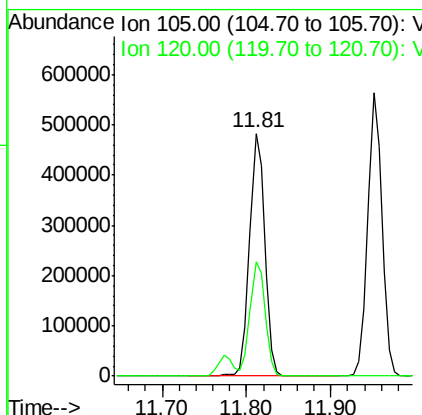
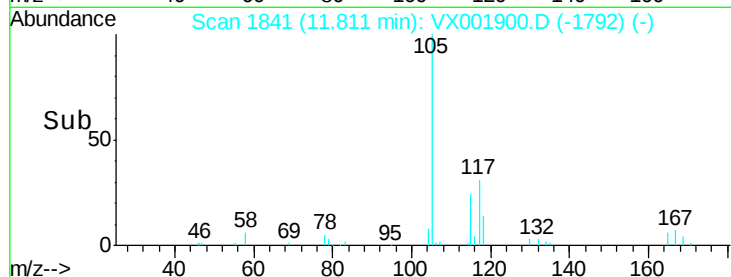
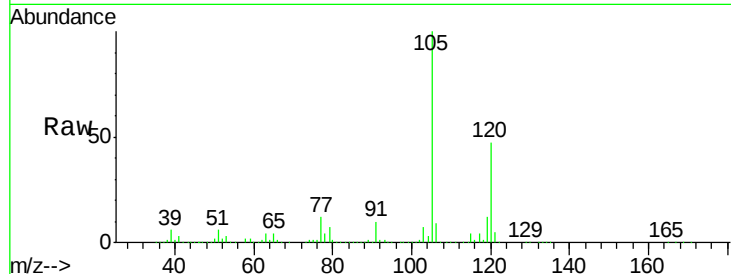
#84
 1,2,4-Trimethylbenzene
 Concen: 57.98 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Tot Ion:105 Resp: 577876
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.5 70.5

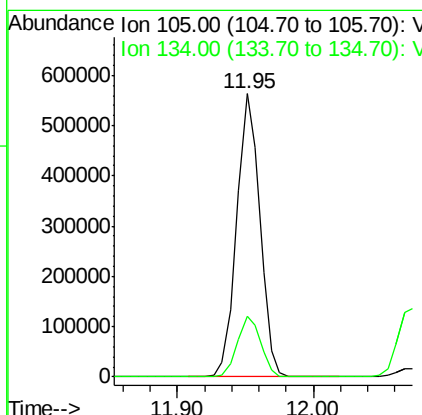
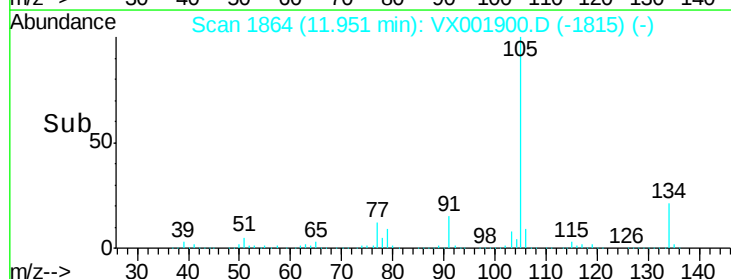
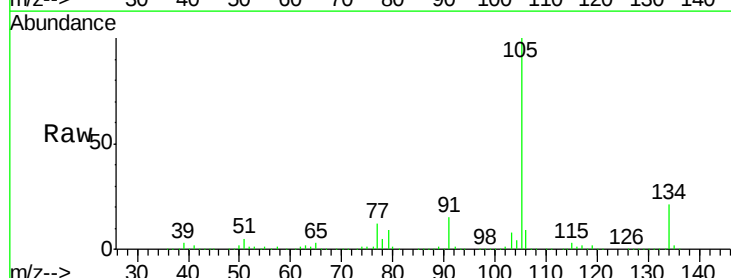
Manual Integrations
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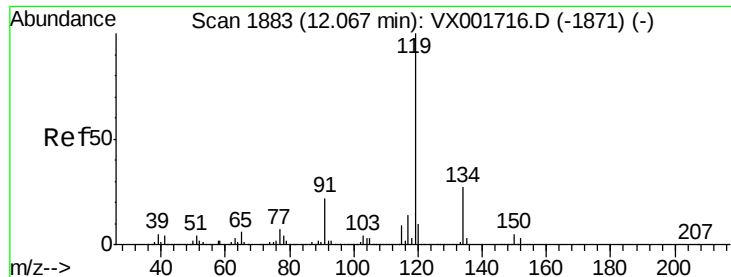
MMDadoda
 5/24/2018 11:47:45 AM



#85
 sec-Butylbenzene
 Concen: 56.52 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Tgt Ion:105 Resp: 668192
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.9 32.6





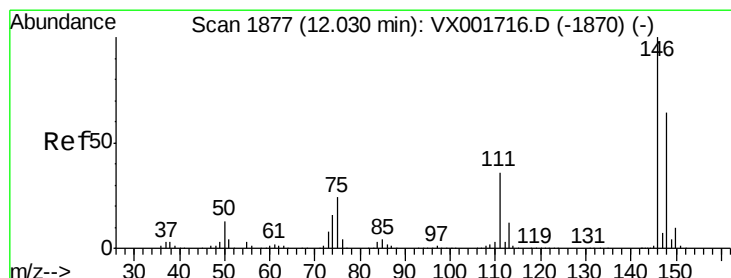
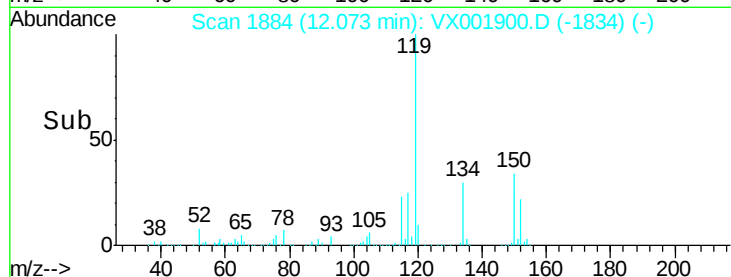
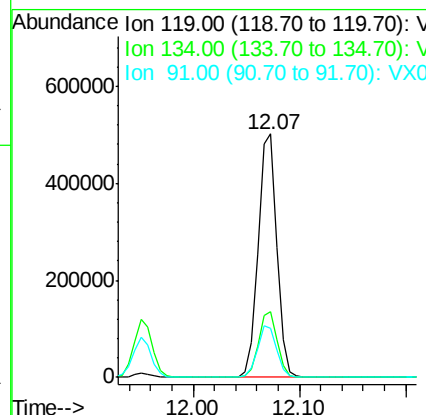
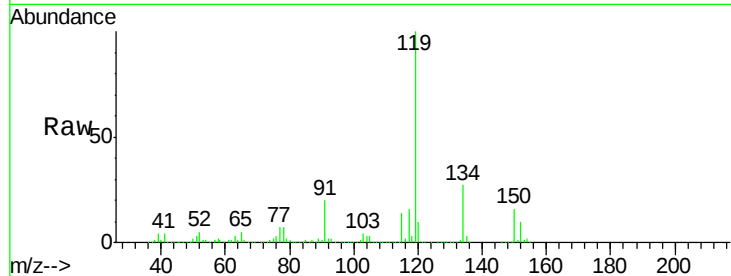
#86
p-Isopropyltoluene
Concen: 56.45 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.01 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	617526		
134	27.0		13.6	40.8
91	21.4		10.7	32.1

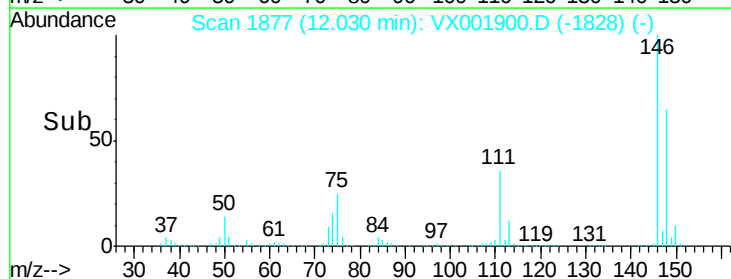
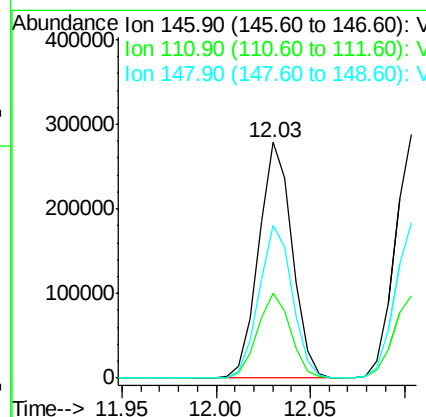
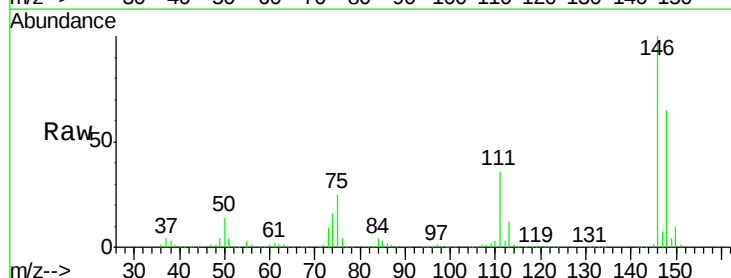
Manual Integrations
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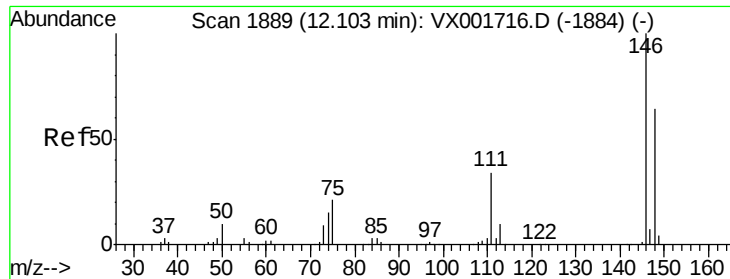
MMDadoda
5/24/2018 11:47:45 AM



#87
1,3-Dichlorobenzene
Concen: 53.80 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	342958		
111	35.7		17.8	53.4
148	64.4		32.1	96.3





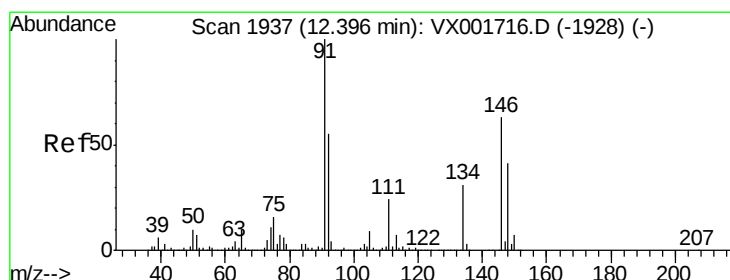
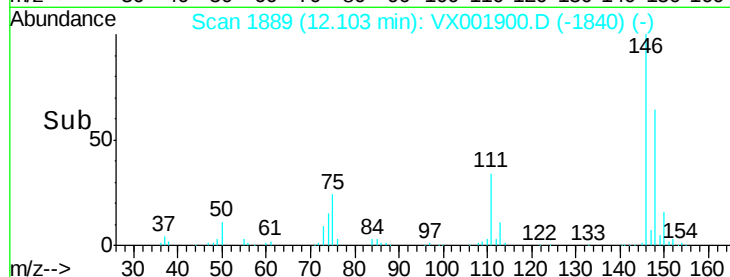
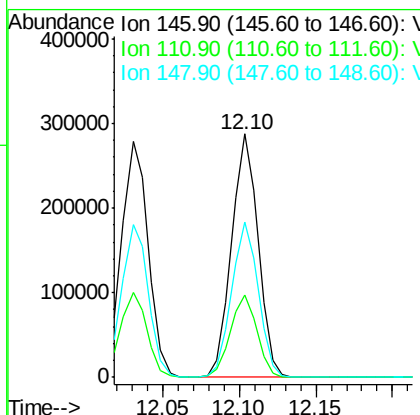
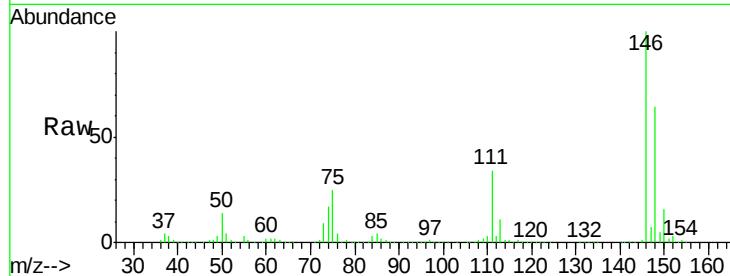
#88
 1,4-Dichlorobenzene
 Concen: 52.46 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	17.3	52.0
148	64.3	32.3	96.9

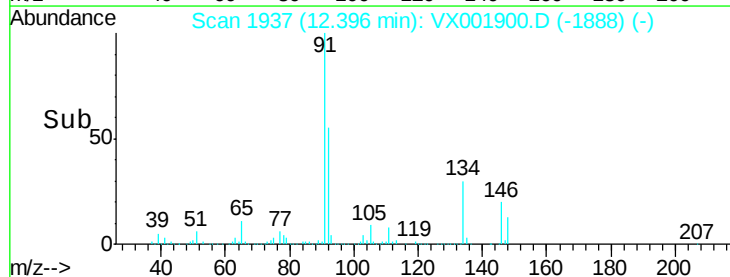
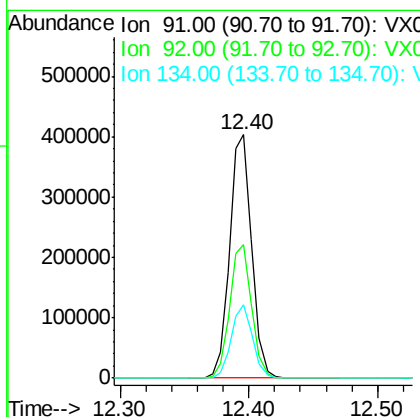
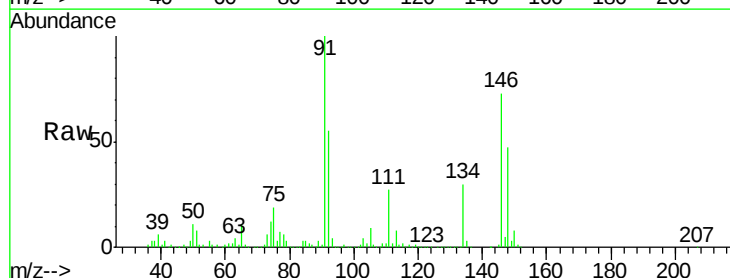
Manual Integrations
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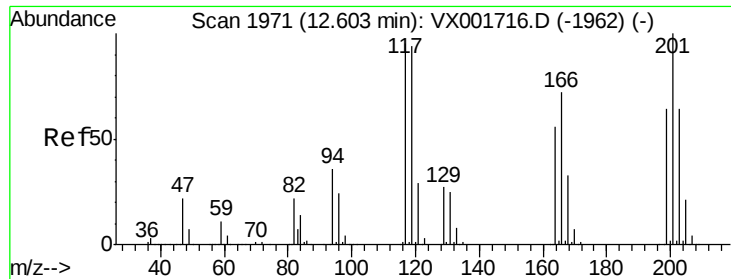
MMDadoda
 5/24/2018 11:47:45 AM



#89
 n-Butylbenzene
 Concen: 51.18 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.9
134	29.2	14.7	44.1





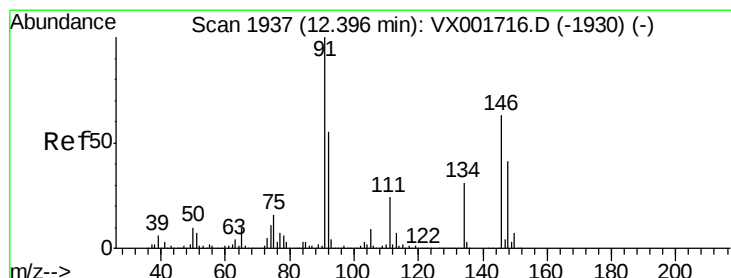
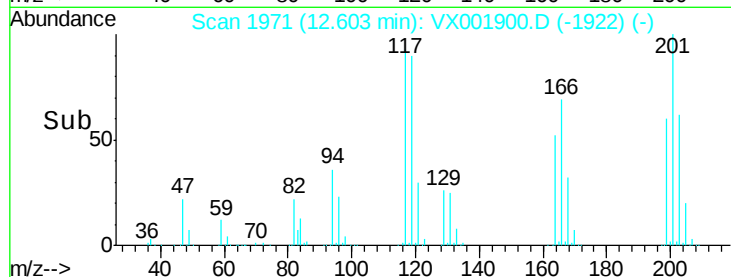
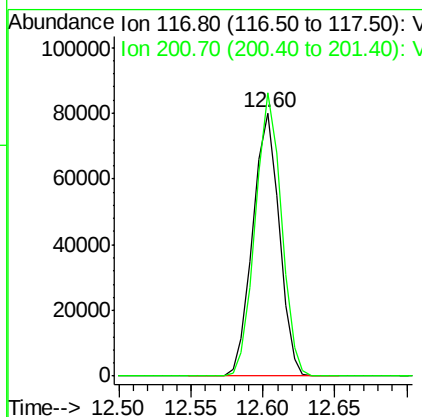
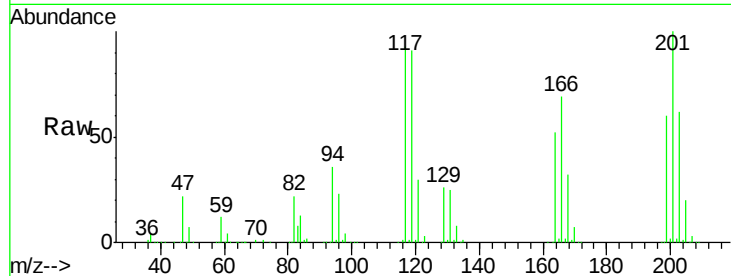
#90
Hexachloroethane
Concen: 59.70 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Instrument :
MSVOA_X
ClientSampleId :
SS036MW004-180515MSD

Tot Ion:117 Resp: 101440
Ion Ratio Lower Upper
117 100
201 105.6 51.9 155.7

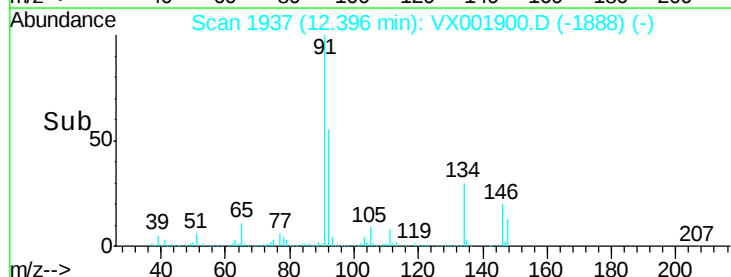
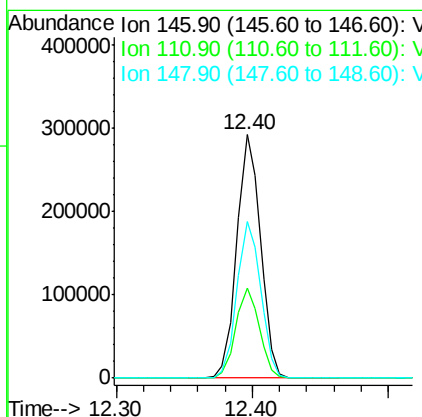
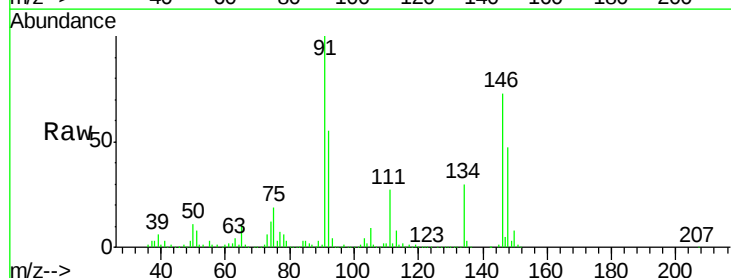
Manual Integrations
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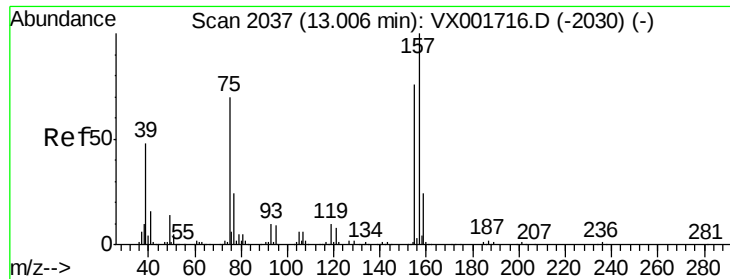
MMDadoda
5/24/2018 11:47:45 AM



#91
1,2-Dichlorobenzene
Concen: 56.07 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001900.D
Acq: 22 May 2018 18:17

Tgt Ion:146 Resp: 356134
Ion Ratio Lower Upper
146 100
111 36.9 18.6 56.0
148 64.4 32.4 97.0





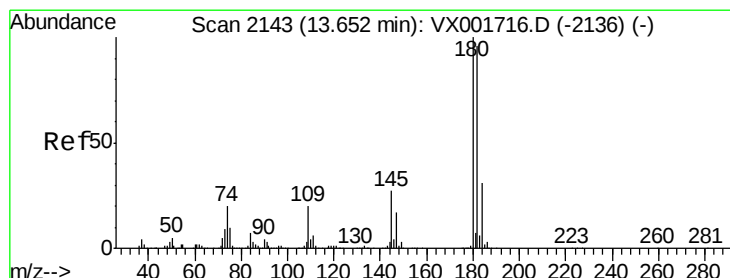
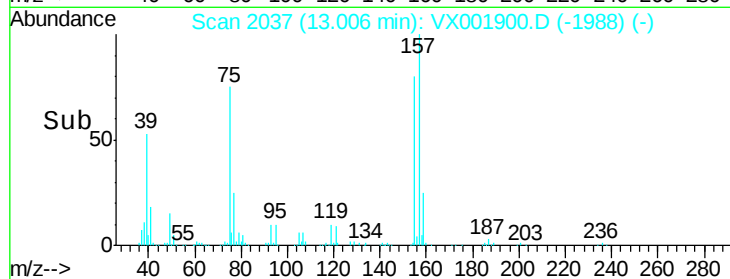
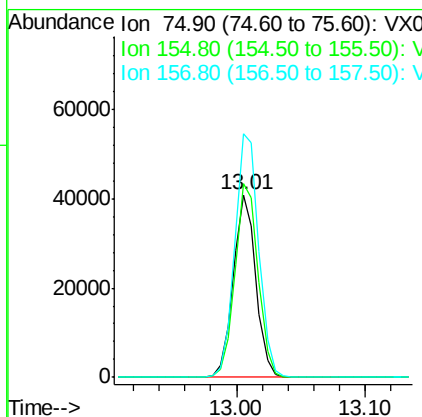
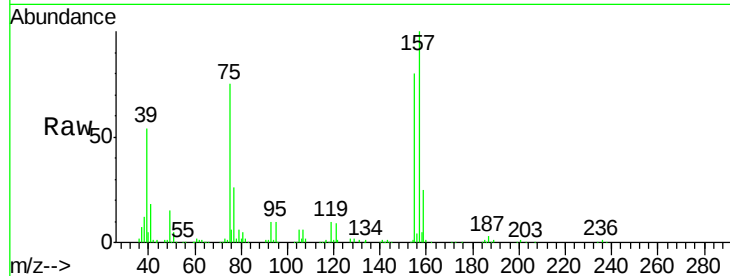
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.66 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	108.6	53.9	161.8
157	140.3	71.0	213.2

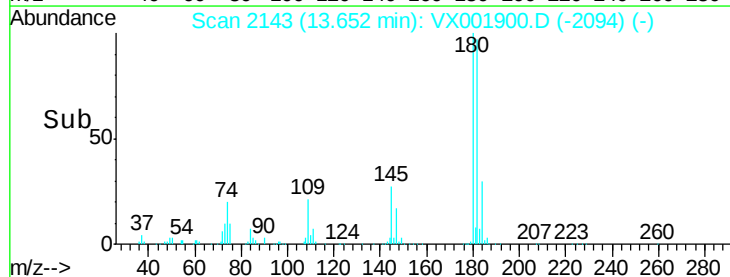
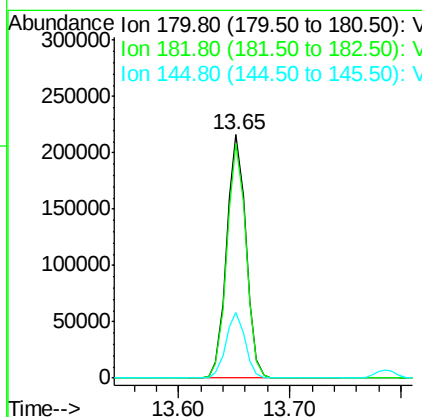
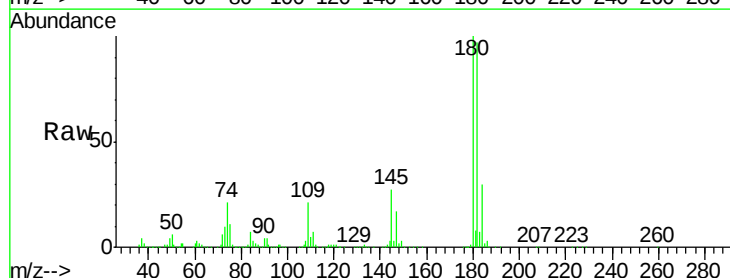
Manual Integrations
 APPROVED

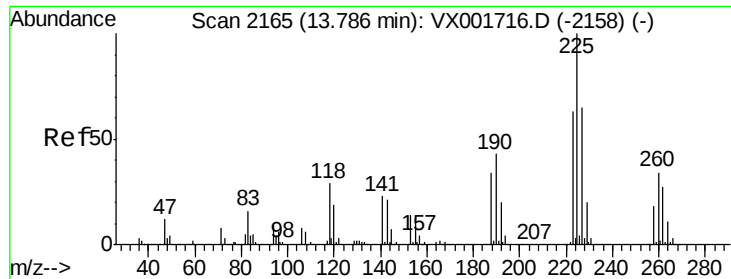
MMDadoda
 5/24/2018 11:47:45 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.06 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	26.7	13.4	40.1





#94

Hexachlorobutadiene

Concen: 48.75 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX001900.D

Acq: 22 May 2018 18:17

Instrument :

MSVOA_X

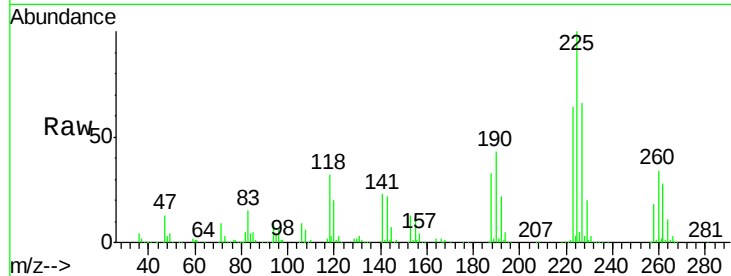
ClientSampleId :

SS036MW004-180515MSD

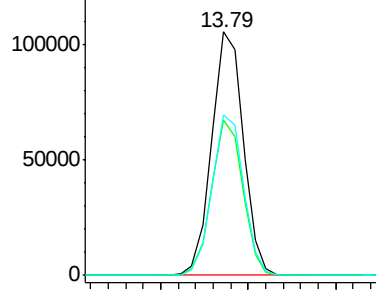
Tot Ion:	225	Resp:	132526
Ion Ratio		Lower	Upper
225	100		
223	63.0	31.1	93.5
227	65.6	31.9	95.5

Manual Integrations
APPROVED

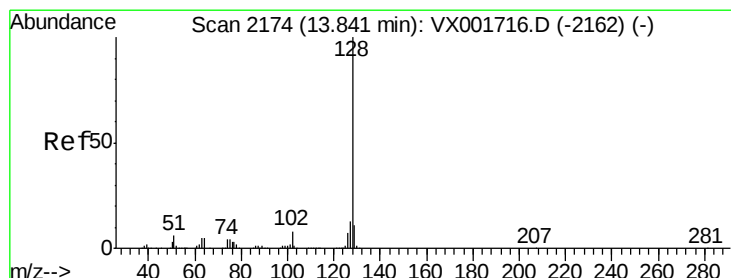
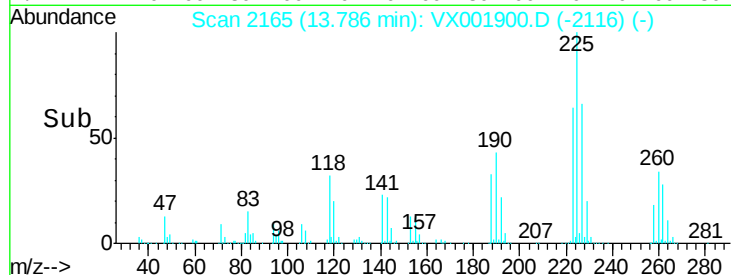
MMDadoda
5/24/2018 11:47:45 AM



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



Time-->



#95

Naphthalene

Concen: 59.12 ug/l

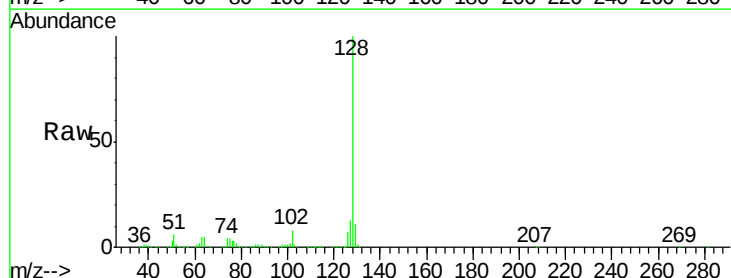
RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

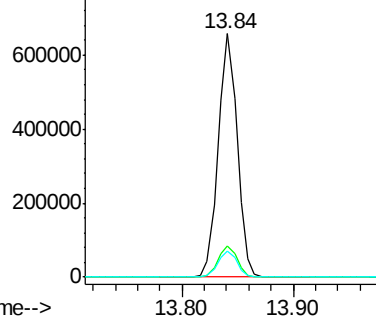
Lab File: VX001900.D

Acq: 22 May 2018 18:17

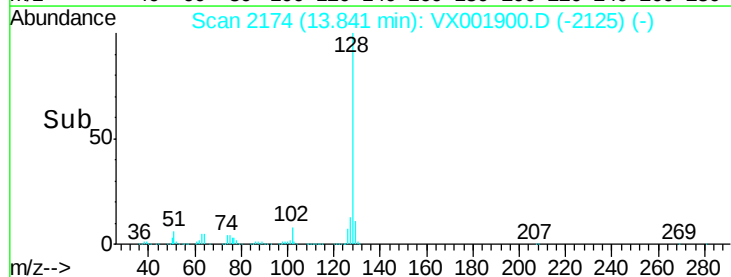
Tgt Ion:	128	Resp:	778054
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

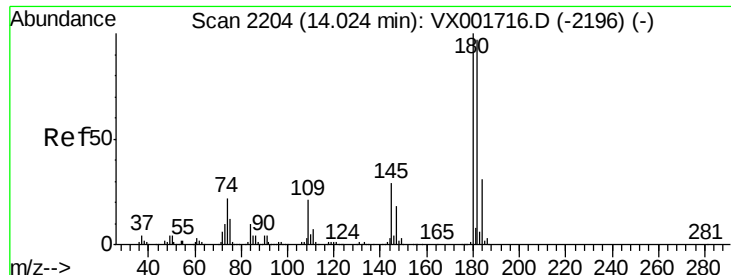


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 53.91 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX001900.D
 Acq: 22 May 2018 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW004-180515MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	274873		
182	95.4		47.9	143.7
145	28.4		14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:45 AM

