

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004110.D
 Acq On : 16 Aug 2018 08:53
 Operator : JC/MD
 Sample : J4495-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:40:17 PM

Quant Time: Aug 16 14:19:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	431841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	258705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	212926	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	
35) Dibromofluoromethane	5.51	113	166488	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	8.72	98	686229	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	11.14	95	248379	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	133564	51.55	ug/l	99
3) Chloromethane	1.32	50	162571	51.14	ug/l	99
4) Vinyl Chloride	1.40	62	187012	54.37	ug/l	99
5) Bromomethane	1.64	94	96062	55.13	ug/l	99
6) Chloroethane	1.73	64	122766	54.42	ug/l	99
7) Trichlorofluoromethane	1.93	101	249343	51.67	ug/l	98
8) Diethyl Ether	2.18	74	112262	53.29	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	146732	48.74	ug/l	99
10) Methyl Iodide	2.51	142	170359	52.69	ug/l	100
11) Tert butyl alcohol	3.04	59	171937	227.70	ug/l	100
12) 1,1-Dichloroethene	2.38	96	145781	52.07	ug/l	97
13) Acrolein	2.29	56	109129	214.63	ug/l	99
14) Allyl chloride	2.73	41	253548	47.59	ug/l	97
15) Acrylonitrile	3.14	53	483953	257.05	ug/l	99
16) Acetone	2.43	43	493110	252.93	ug/l	100
17) Carbon Disulfide	2.57	76	403434	50.80	ug/l	99
18) Methyl Acetate	2.77	43	229240	52.91	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	517401	52.45	ug/l	100
20) Methylene Chloride	2.86	84	175313	55.08	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	163578	51.45	ug/l	98
22) Diisopropyl ether	3.87	45	541355	51.86	ug/l	98
23) Vinyl Acetate	3.82	43	2271131	264.89	ug/l	99
24) 1,1-Dichloroethane	3.70	63	311409	52.67	ug/l	99
25) 2-Butanone	4.69	43	801353	252.62	ug/l	99
26) 2,2-Dichloropropane	4.59	77	104384	22.21	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	201138	56.25	ug/l	94
28) Bromochloromethane	5.03	49	155624	57.37	ug/l	96
29) Tetrahydrofuran	5.15	42	406574	250.87	ug/l	98
30) Chloroform	5.21	83	305842	53.00	ug/l	98
31) Cyclohexane	5.58	56	258112	49.80	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	256609	53.21	ug/l	99
36) 1,1-Dichloropropene	5.81	75	219324	44.63	ug/l	100
37) Ethyl Acetate	4.85	43	247606	46.27	ug/l	99
38) Carbon Tetrachloride	5.79	117	219381	45.95	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	254011	45.56	ug/l	99
40) Benzene	6.15	78	730110	49.48	ug/l	100
41) Methacrylonitrile	5.06	41	136935	45.69	ug/l	99
42) 1,2-Dichloroethane	6.20	62	253818	49.14	ug/l	100
43) Isopropyl Acetate	6.46	43	385211	48.84	ug/l	100
44) Trichloroethene	7.21	130	191552	47.82	ug/l	94
45) 1,2-Dichloropropane	7.52	63	189849	50.26	ug/l	99
46) Dibromomethane	7.67	93	123068	49.85	ug/l	99
47) Bromodichloromethane	7.90	83	237973	50.90	ug/l	99
48) Methyl methacrylate	7.78	41	203076	51.14	ug/l	98
49) 1,4-Dioxane	7.76	88	72677	812.98	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1654715	255.85	ug/l	100
52) Toluene	8.79	92	468702	50.23	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	232392	46.01	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	245190	43.84	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	191149	49.60	ug/l	98
56) Ethyl methacrylate	9.18	69	276671	52.80	ug/l	99
57) 1,3-Dichloropropane	9.37	76	321630	50.30	ug/l	100
59) 2-Hexanone	9.50	43	1244082	255.59	ug/l	100
60) Dibromochloromethane	9.59	129	190963	51.49	ug/l	99
61) 1,2-Dibromoethane	9.68	107	197101	50.17	ug/l	99
64) Tetrachloroethene	9.34	164	180050	45.57	ug/l	95
65) Chlorobenzene	10.14	112	505452	46.94	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	179943	48.99	ug/l	99
67) Ethyl Benzene	10.26	91	851524	49.94	ug/l	100
68) m/p-Xylenes	10.36	106	651483	97.56	ug/l	98
69) o-Xylene	10.70	106	329514	51.63	ug/l	97
70) Stvrene	10.71	104	553984	51.58	ug/l	99
71) Bromoform	10.86	173	144204	49.51	ug/l	98
73) Isopropylbenzene	11.02	105	896349	51.20	ug/l	97
74) N-amyl acetate	6.46	43	385211	46.78	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	297332	48.63	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	254750m	49.10	ug/l	
77) Bromobenzene	11.26	156	237805	49.27	ug/l	99
78) n-propylbenzene	11.36	91	1017121	51.91	ug/l	100
79) 2-Chlorotoluene	11.42	91	567772	47.55	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	707797	49.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	64171	38.29	ug/l	97
82) 4-Chlorotoluene	11.51	91	678166	48.05	ug/l	98
83) tert-Butylbenzene	11.77	119	738613	51.10	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	776552	52.30	ug/l	100
85) sec-Butylbenzene	11.95	105	852577	50.40	ug/l	100
86) p-Isopropyltoluene	12.07	119	779979	50.93	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	432230	46.96	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	443589	46.82	ug/l	100
89) n-Butylbenzene	12.39	91	594420	49.26	ug/l	99
90) Hexachloroethane	12.60	117	108081	47.17	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	431907	52.03	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51100	47.56	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	270481	47.67	ug/l	98

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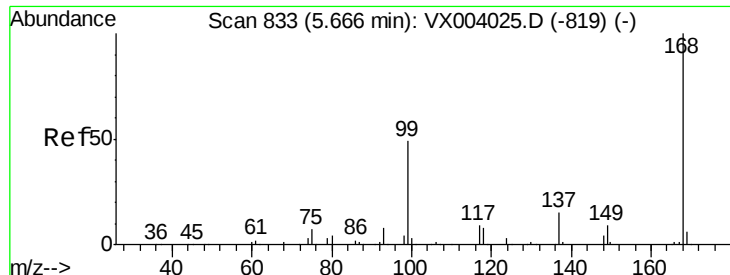
Manual Integrations
APPROVED

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8/16/2018 4:40:17 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	126015	44.30	ug/l	99
95) Naphthalene	13.83	128	901456	49.84	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	305513	49.37	ug/l	100

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



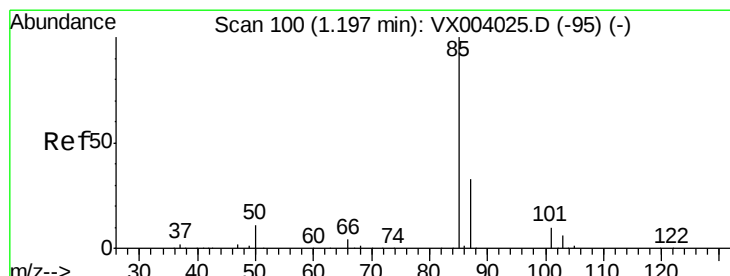
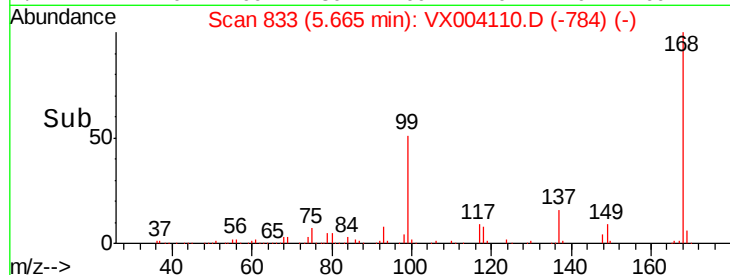
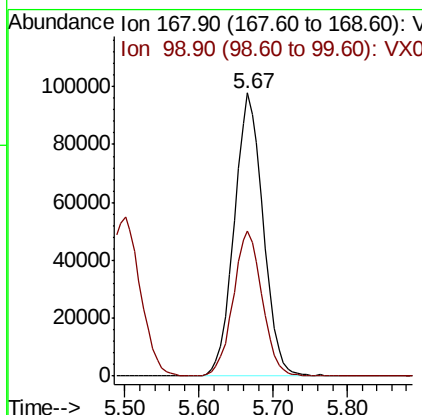
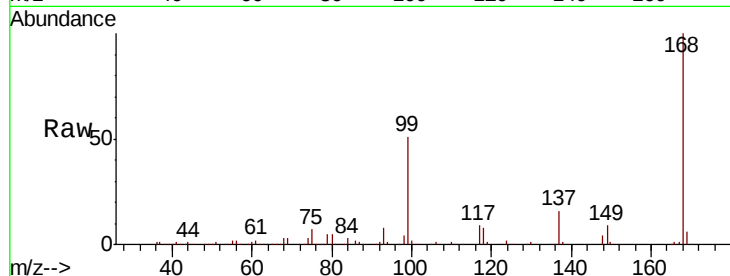
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	51.1	40.1	60.1	

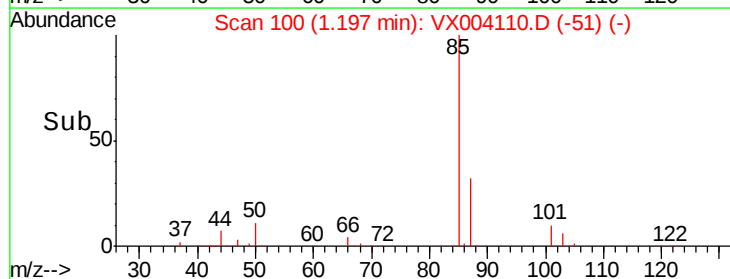
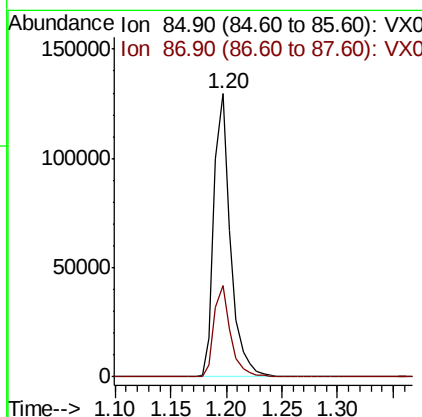
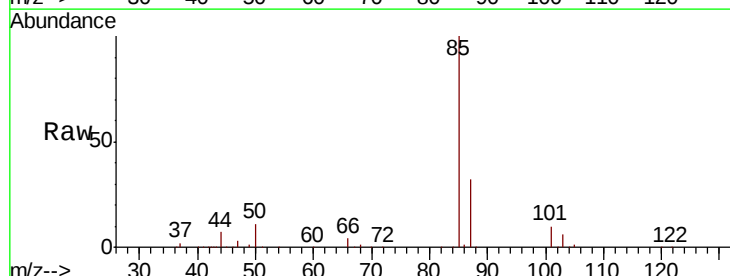
Manual Integrations
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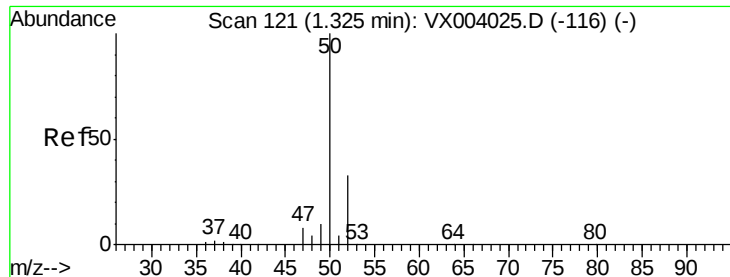
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#2
Dichlorodifluoromethane
Concen: 51.55 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.5	16.0	48.0	





#3

Chloromethane

Concen: 51.14 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 50 Resp: 162571

Ion Ratio Lower Upper

50 100

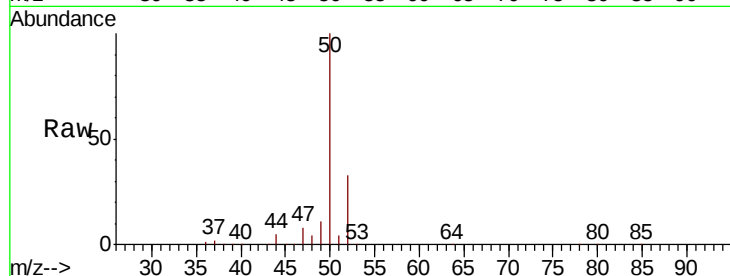
52 32.6 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

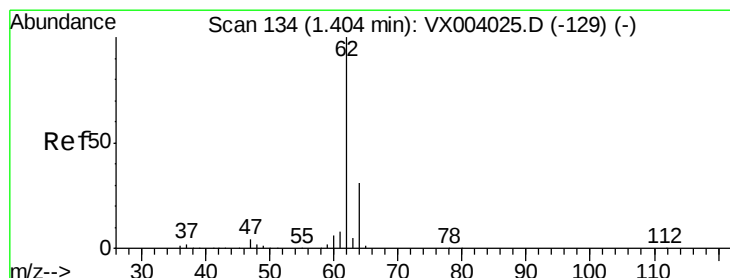
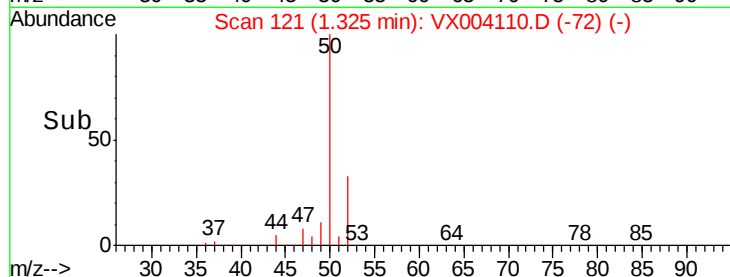
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50000

0

1.25 1.30 1.32 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 54.37 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004110.D

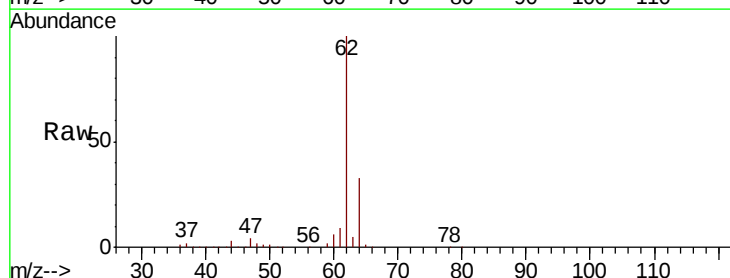
Acq: 16 Aug 2018 08:53

Tgt Ion: 62 Resp: 187012

Ion Ratio Lower Upper

62 100

64 33.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

200000

150000

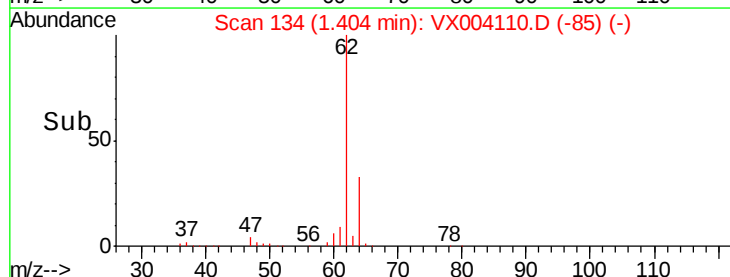
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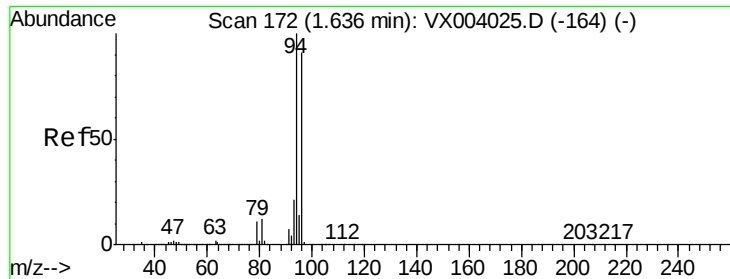
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 55.13 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 94 Resp: 96062

Ion Ratio Lower Upper

94 100

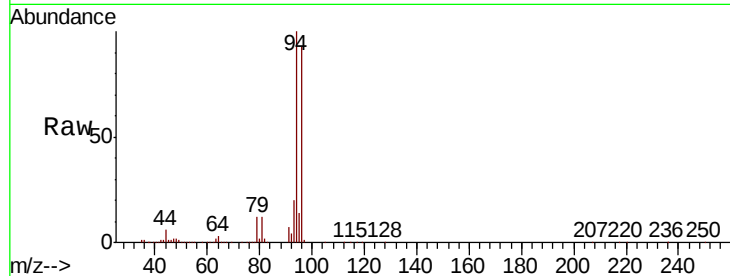
96 93.1 75.2 112.8

Manual Integrations

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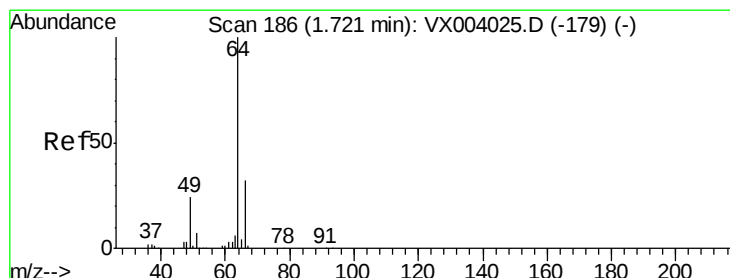
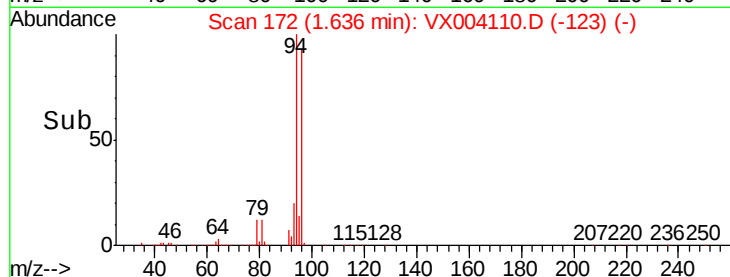
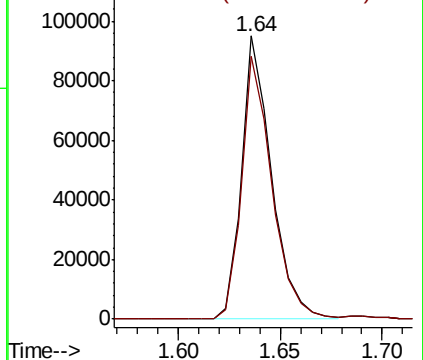
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.42 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004110.D

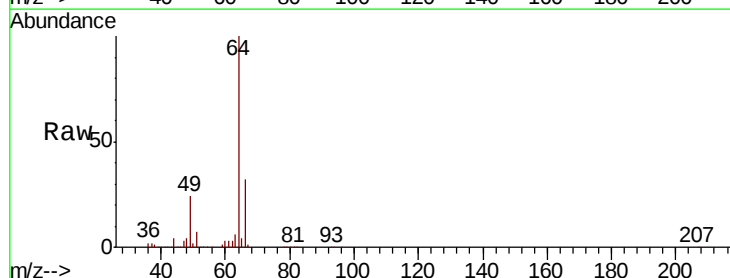
Acq: 16 Aug 2018 08:53

Tgt Ion: 64 Resp: 122766

Ion Ratio Lower Upper

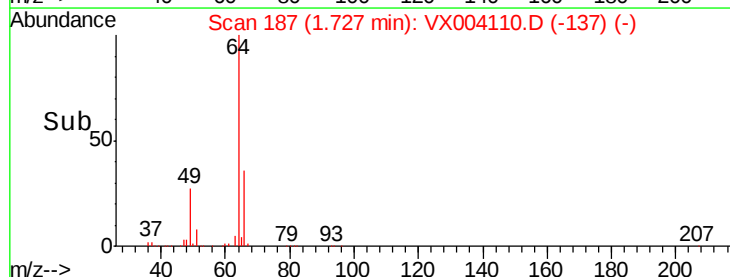
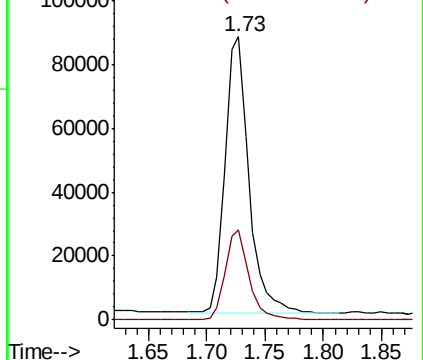
64 100

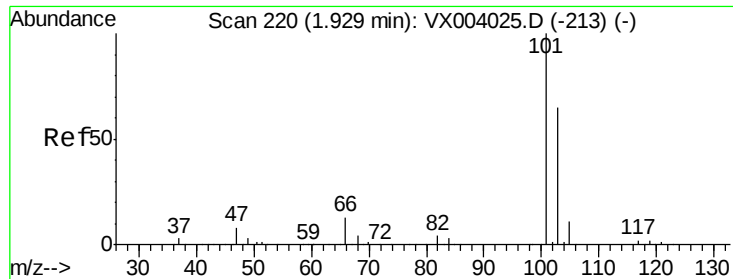
66 32.6 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

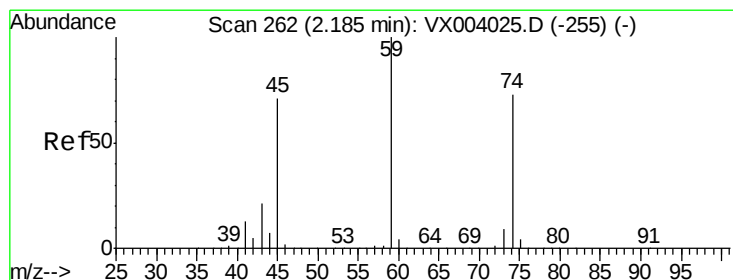
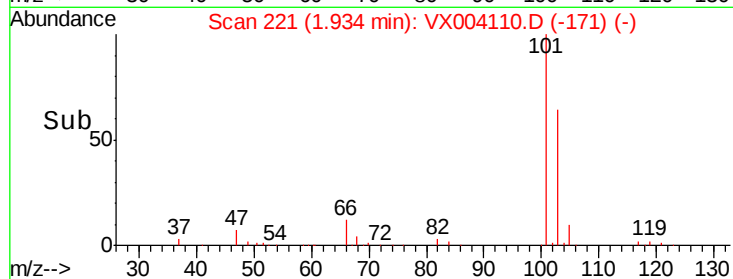
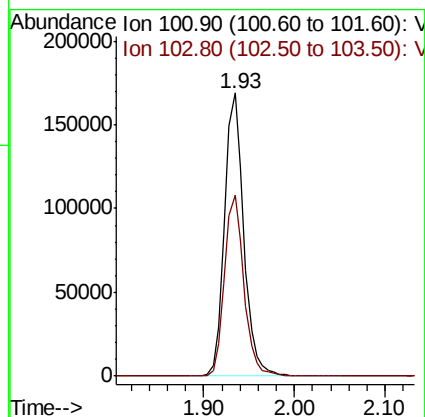
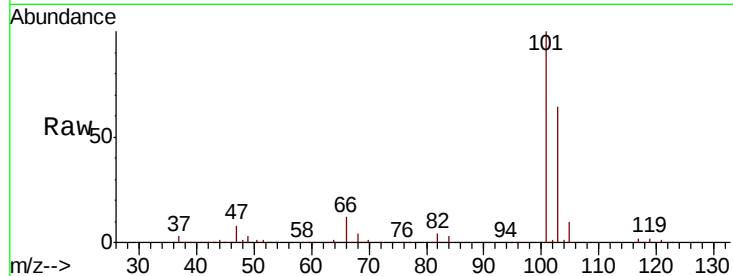
Trichlorofluoromethane
 Concen: 51.67 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.3	78.5

Manual Integrations
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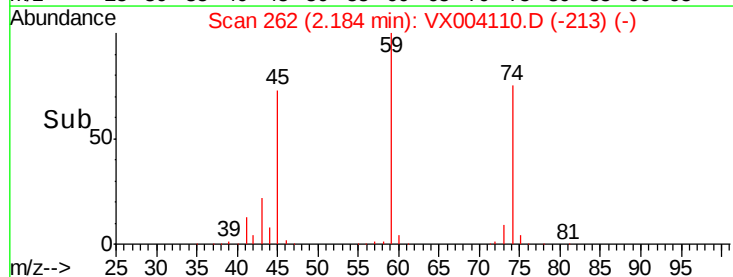
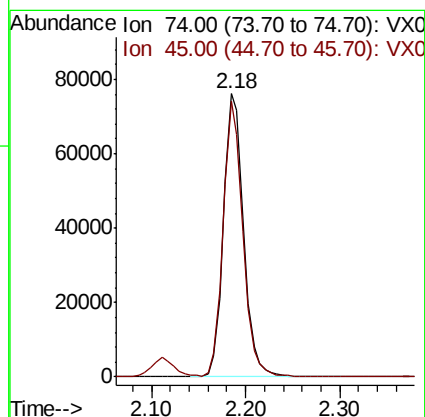
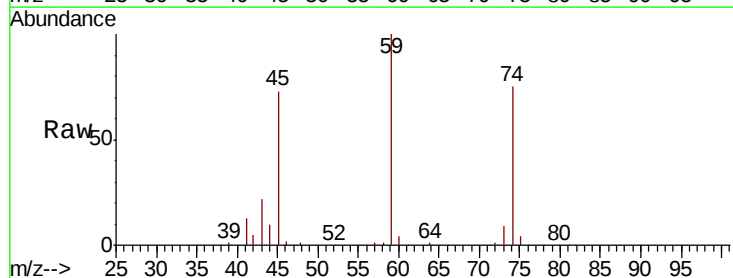
MMDadoda
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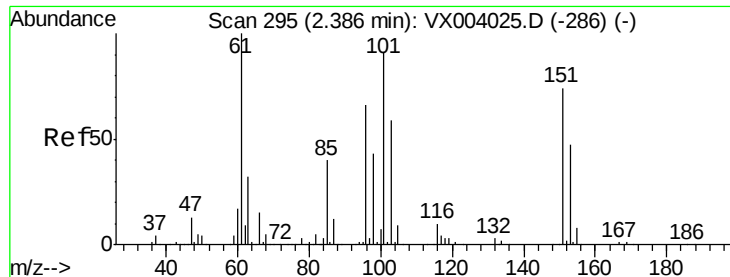


#8

Diethyl Ether
 Concen: 53.29 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.74 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

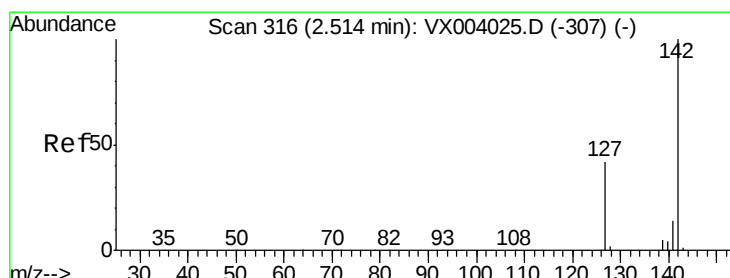
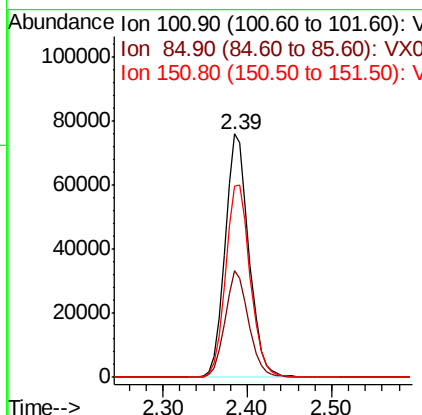
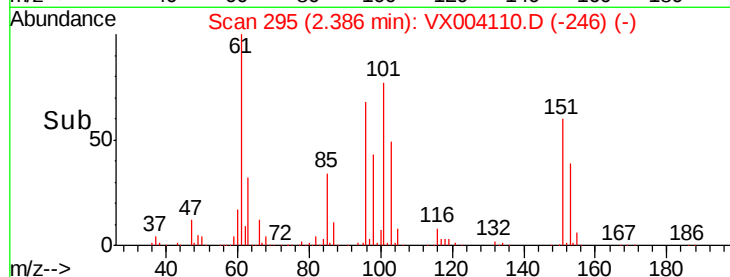
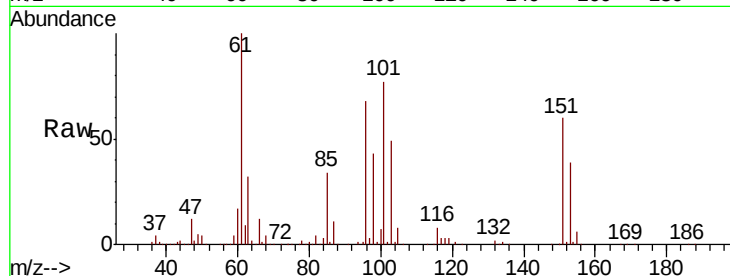
ClientSampleId :

SS050MW504-180814MS

Tot Ion:	101	Resp:	146732
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	81.8	65.0	97.4

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#10

Methyl Iodide

Concen: 52.69 ug/l

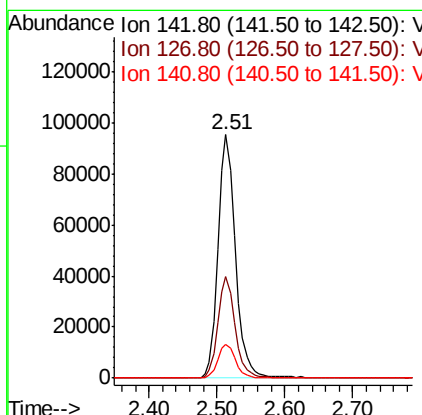
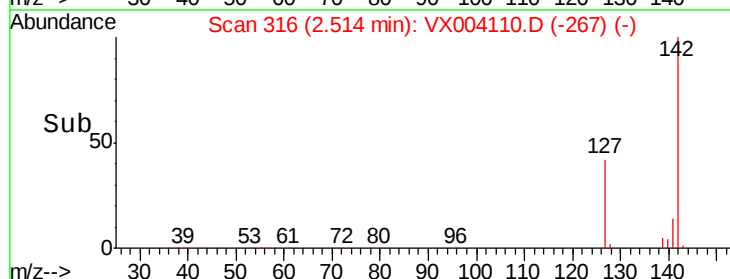
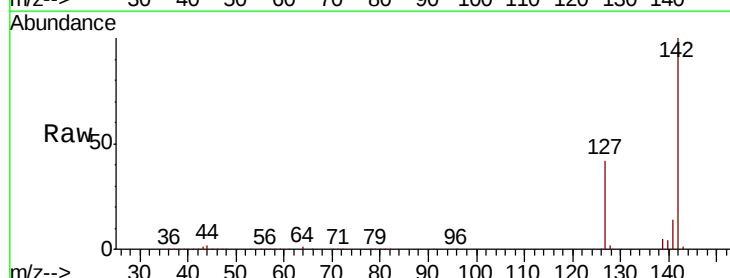
RT: 2.51 min Scan# 316

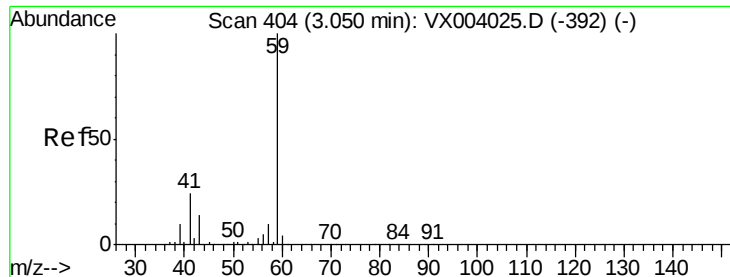
Delta R.T. 0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Tgt Ion:	142	Resp:	170359
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.1	49.7
141	14.1	11.1	16.7





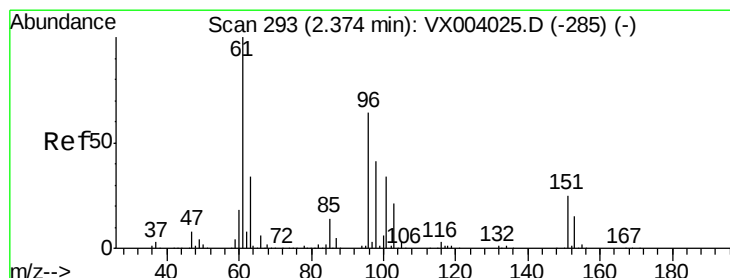
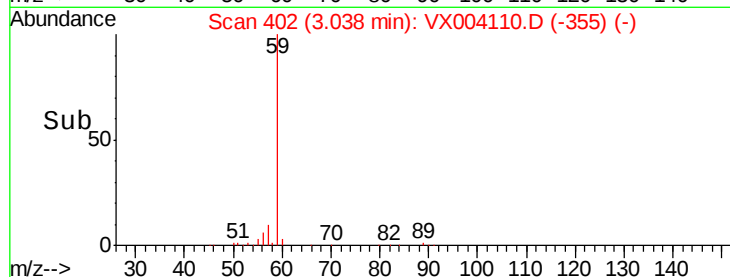
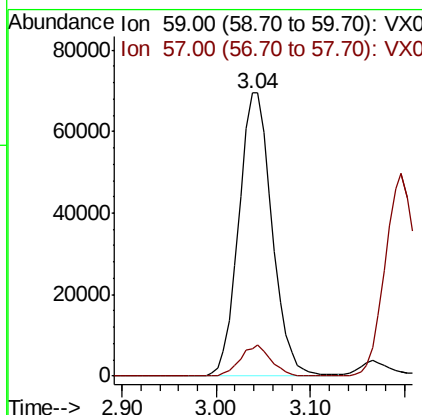
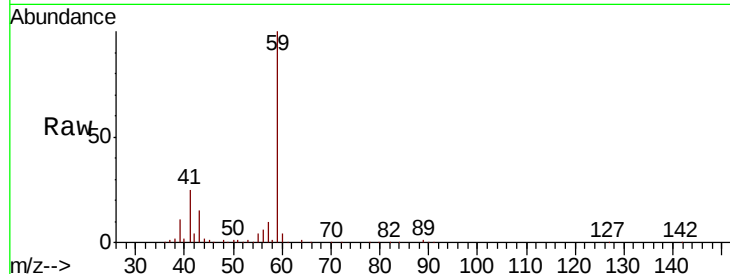
#11
Tert butyl alcohol
Concen: 227.70 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

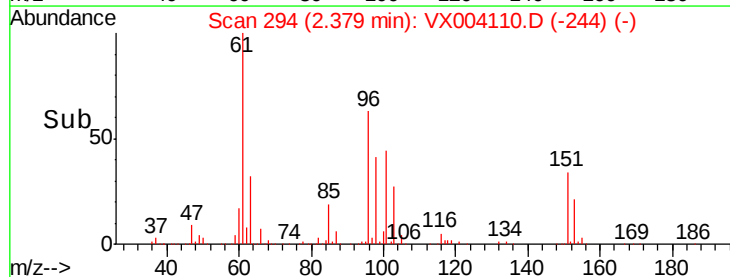
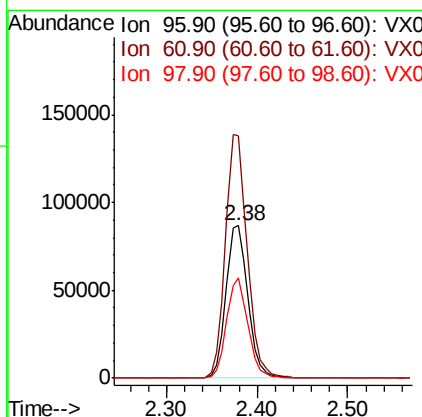
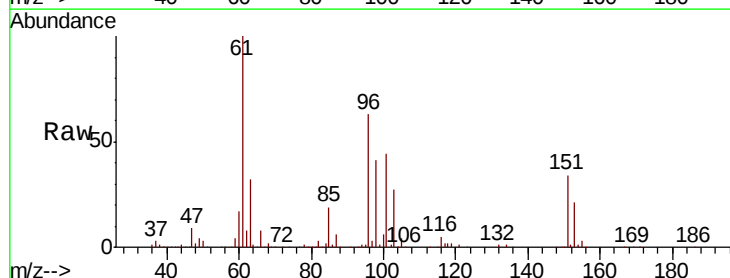
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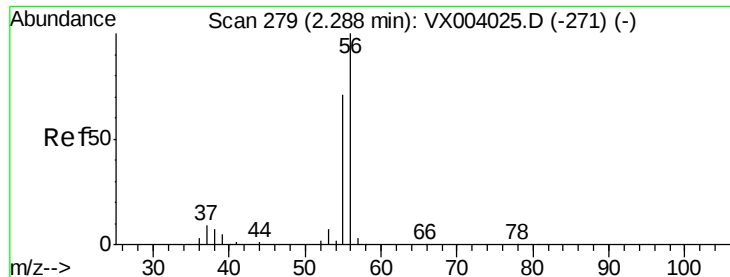
MMDadoda
8/16/2018 4:40:17 PM



#12
1,1-Dichloroethene
Concen: 52.07 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.7	131.3	196.9
98	65.5	51.8	77.6





#13

Acrolein

Concen: 214.63 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 56 Resp: 109129

Ion Ratio Lower Upper

56 100

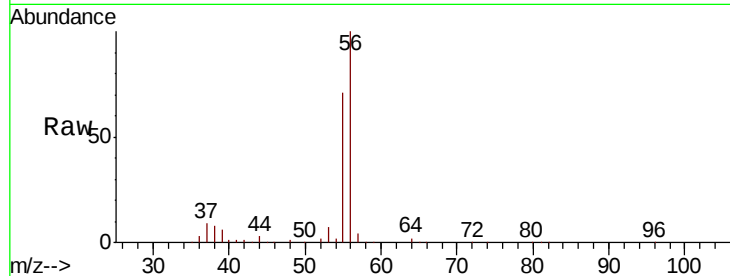
55 71.0 56.1 84.1

Manual Integrations

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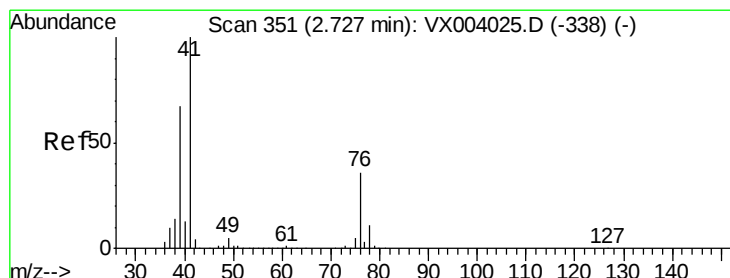
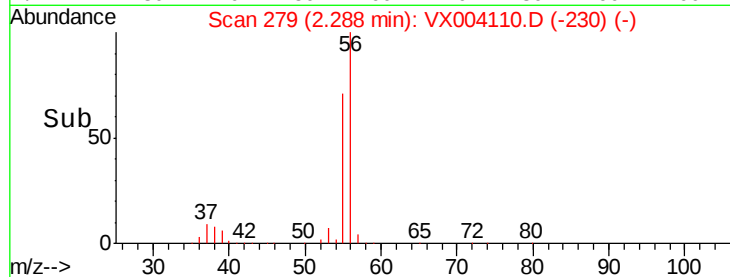
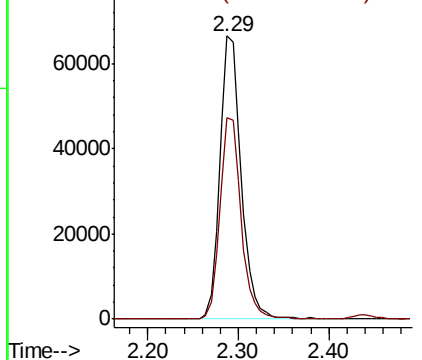
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.59 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

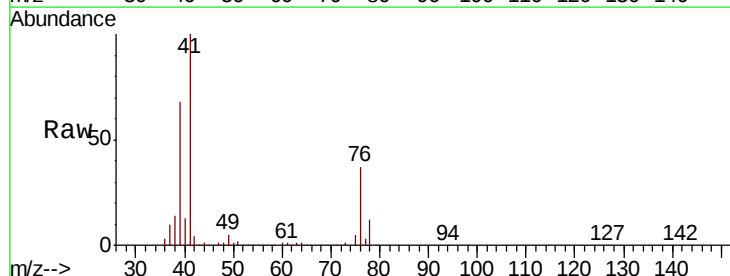
Tgt Ion: 41 Resp: 253548

Ion Ratio Lower Upper

41 100

39 61.9 47.4 71.0

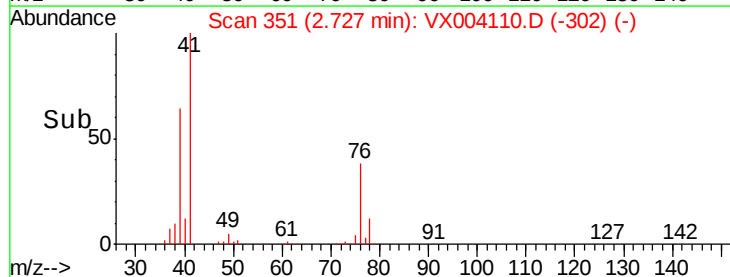
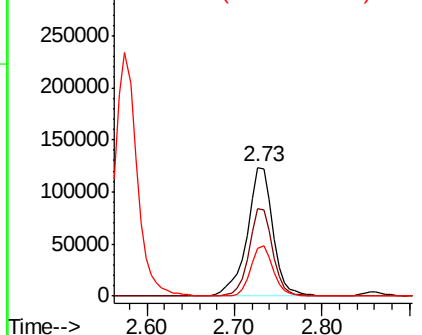
76 33.7 26.0 39.0

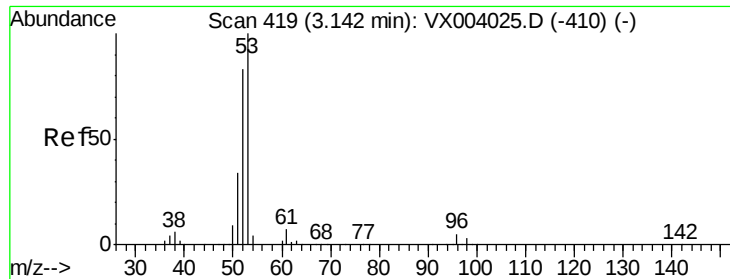


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





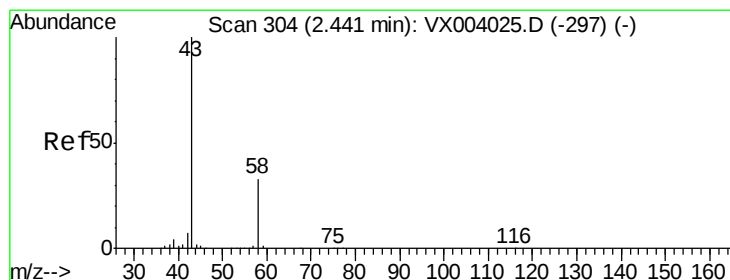
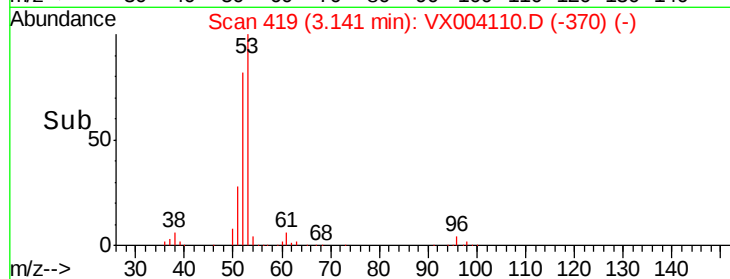
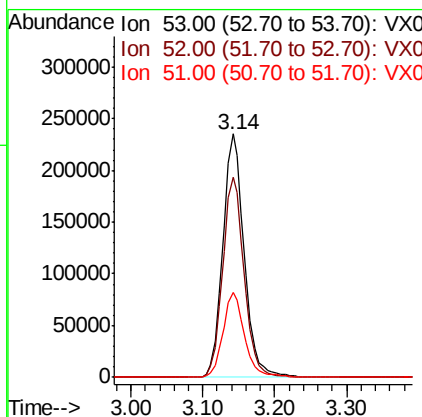
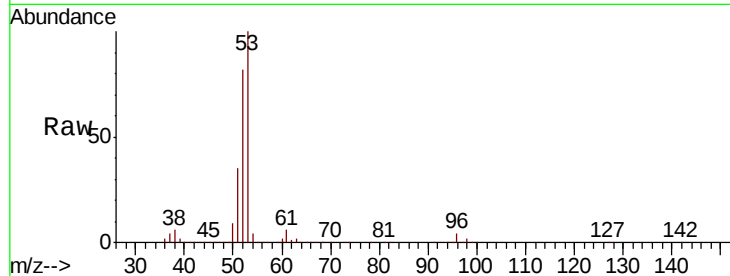
#15
 Acrylonitrile
 Concen: 257.05 ug/l
 RT: 3.14 min Scan# 419
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.3	97.9
51	35.3	27.9	41.9

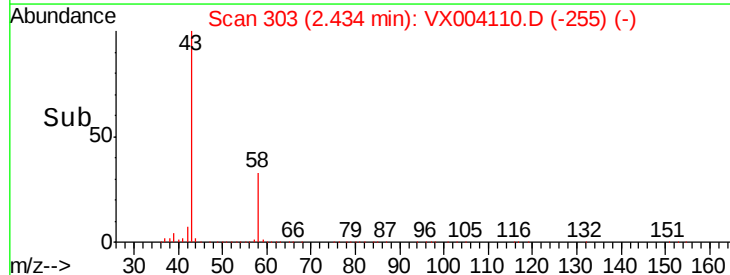
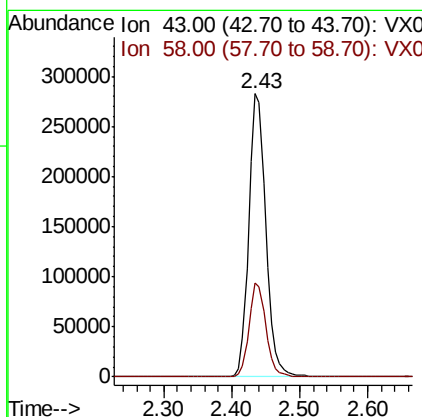
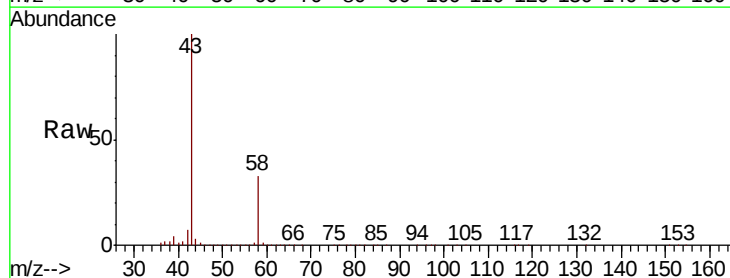
Manual Integrations
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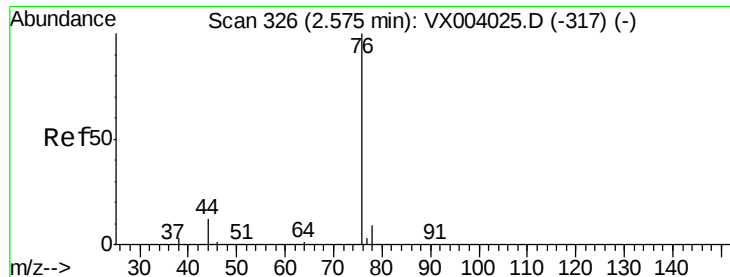
MMDadoda
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#16
 Acetone
 Concen: 252.93 ug/l
 RT: 2.43 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.4	39.6





#17

Carbon Disulfide

Concen: 50.80 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 76 Resp: 403434

Ion Ratio Lower Upper

76 100

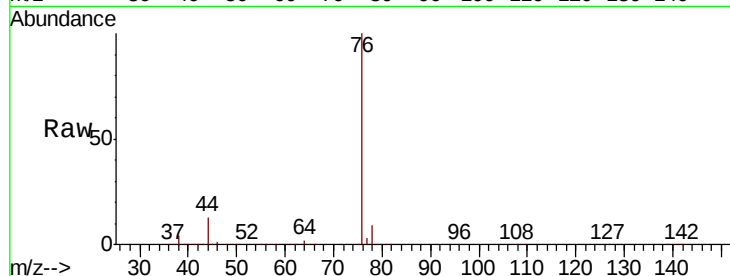
78 9.0 7.5 11.3

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

250000

200000

150000

100000

50000

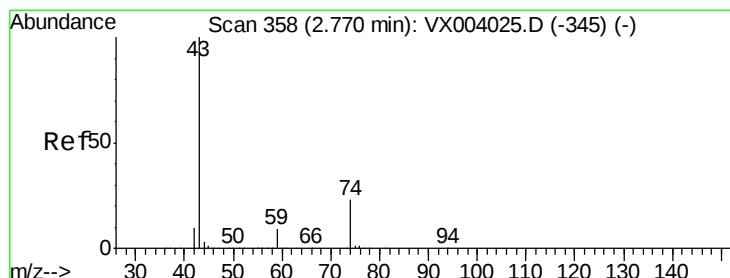
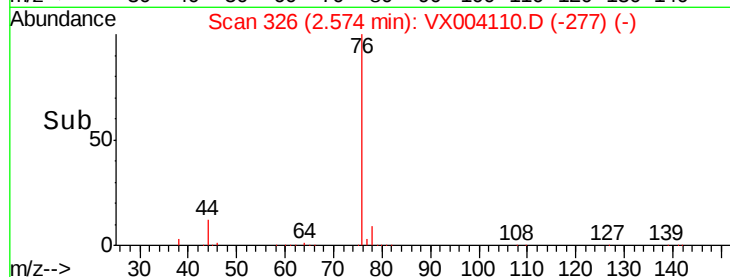
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 52.91 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004110.D

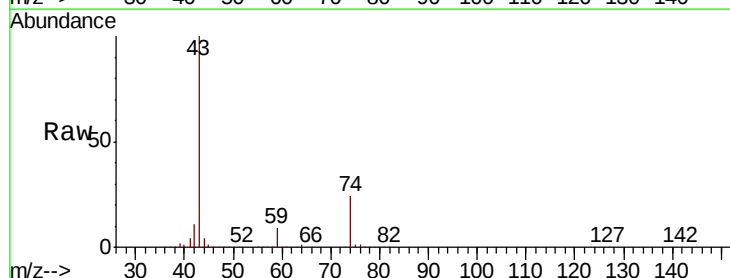
Acq: 16 Aug 2018 08:53

Tgt Ion: 43 Resp: 229240

Ion Ratio Lower Upper

43 100

74 24.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

100000

50000

0

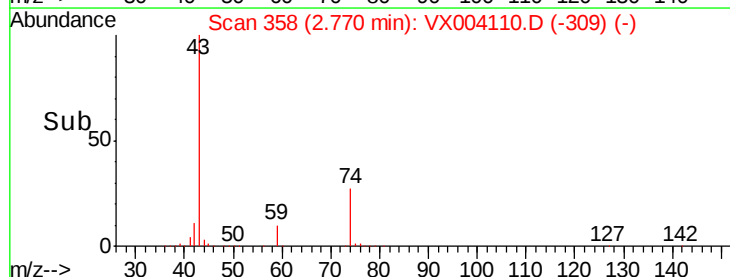
2.60

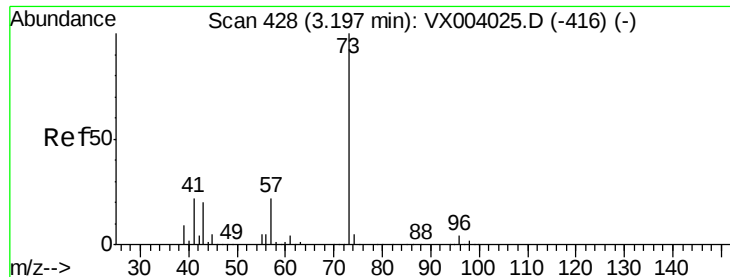
2.70

2.80

2.90

Time-->





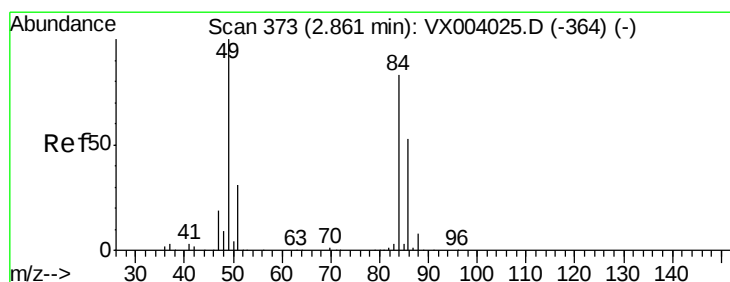
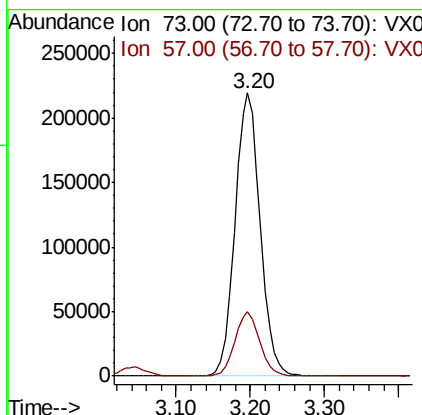
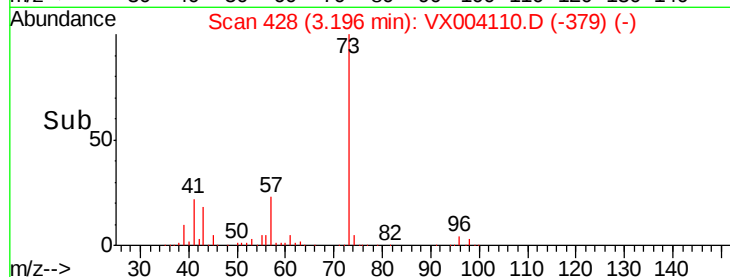
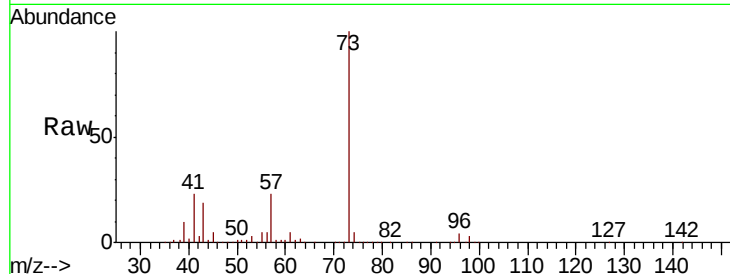
#19
Methyl tert-butyl Ether
Concen: 52.45 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.0	27.0

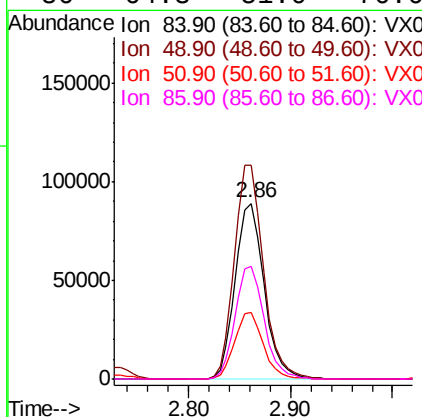
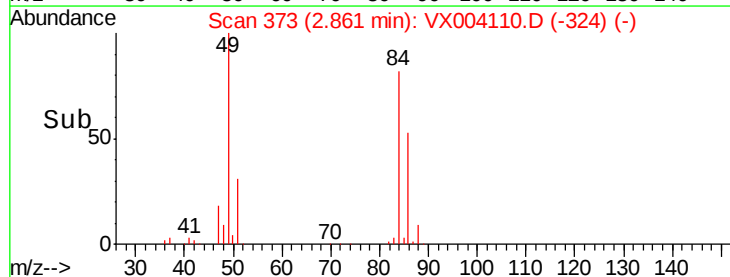
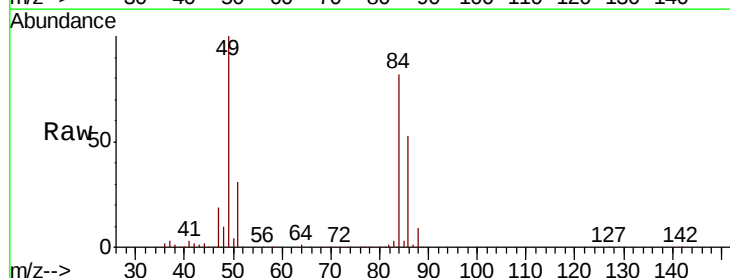
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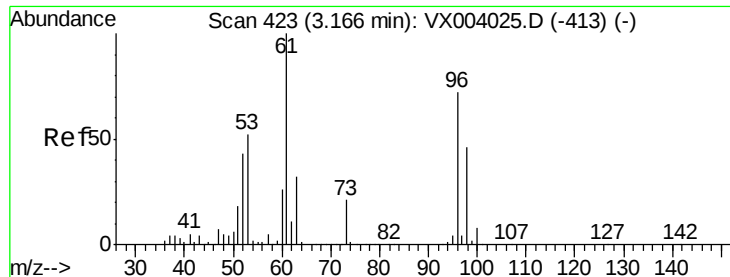
MMDadoda
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#20
Methylene Chloride
Concen: 55.08 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.7	98.9	148.3
51	37.7	29.9	44.9
86	64.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 51.45 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 96 Resp: 163578

Ion Ratio Lower Upper

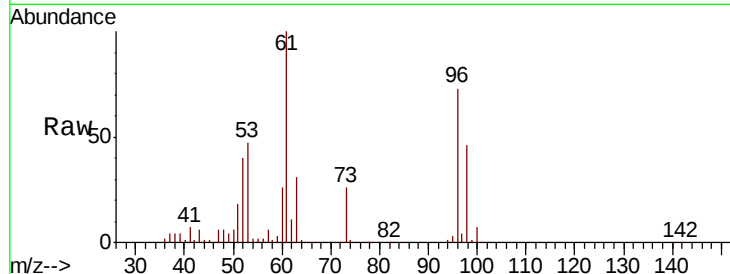
96 100

61 136.6 111.8 167.6

98 63.3 51.8 77.6

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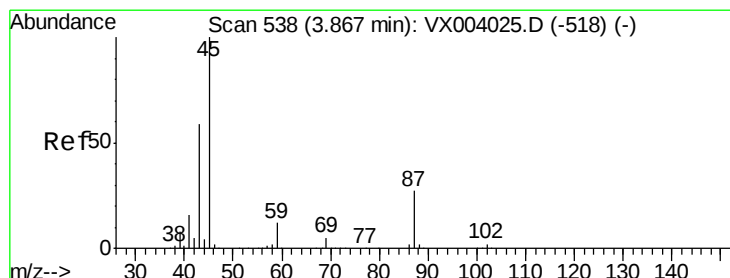
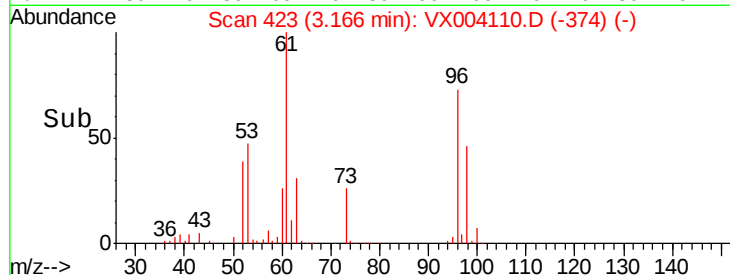
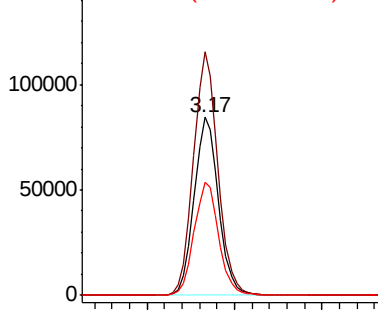


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.86 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Tgt Ion: 45 Resp: 541355

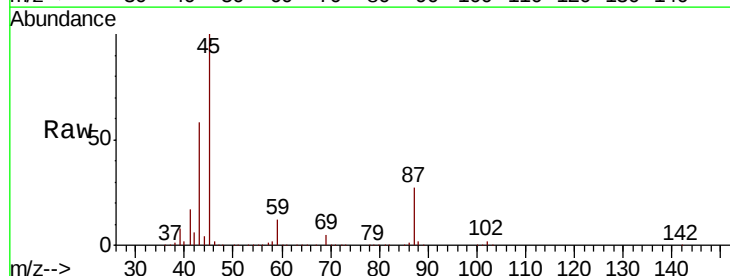
Ion Ratio Lower Upper

45 100

43 57.8 45.3 67.9

87 27.1 22.7 34.1

59 11.9 9.6 14.4



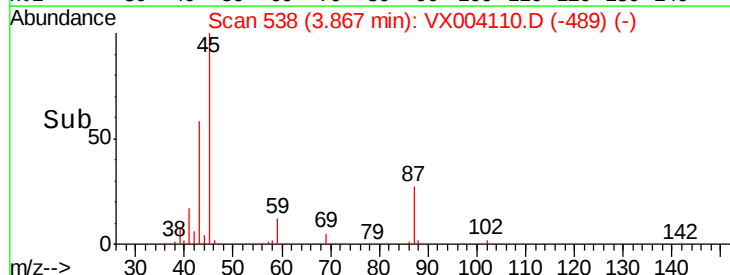
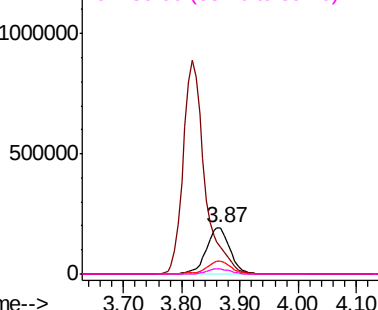
Abundance

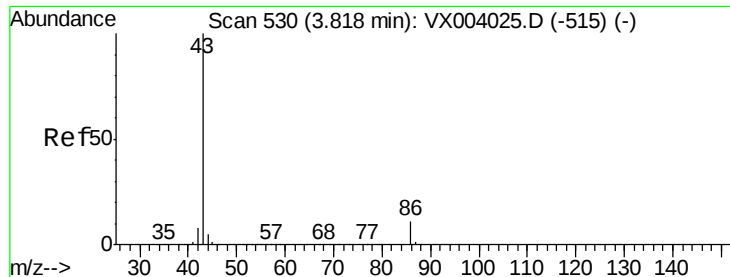
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.89 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 43 Resp: 2271131

Ion Ratio Lower Upper

43 100

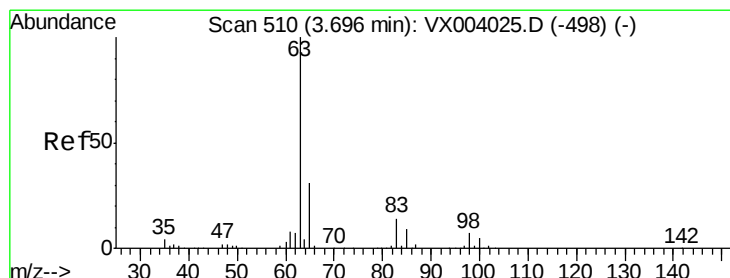
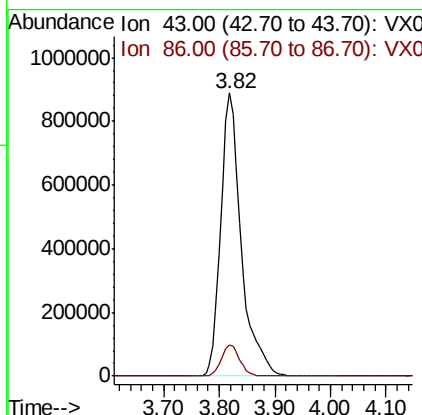
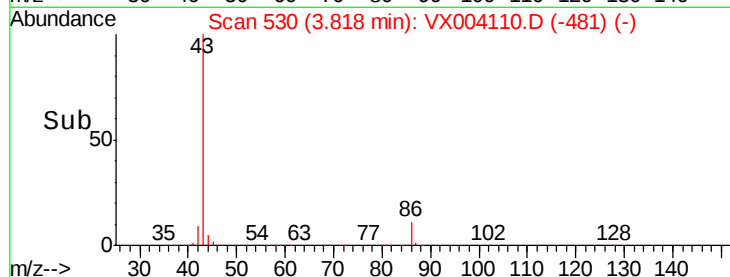
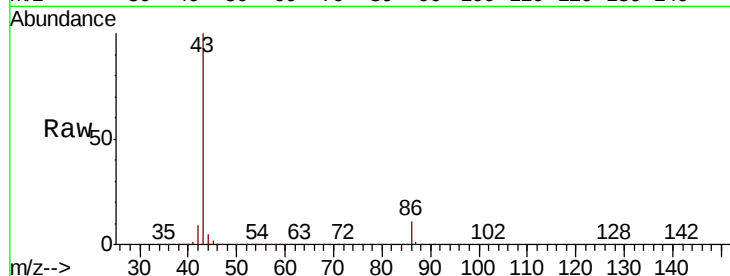
86 10.8 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 52.67 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

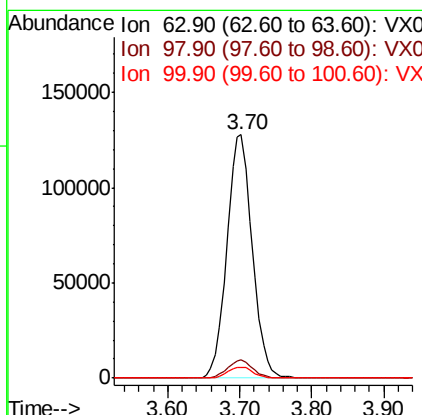
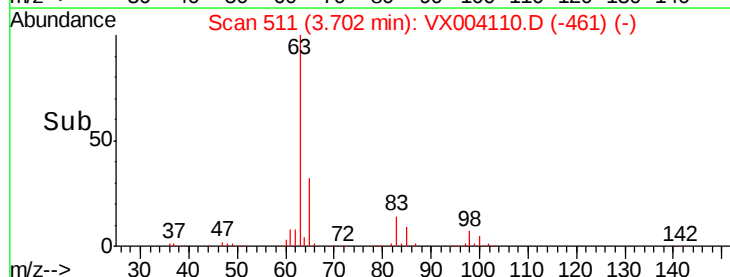
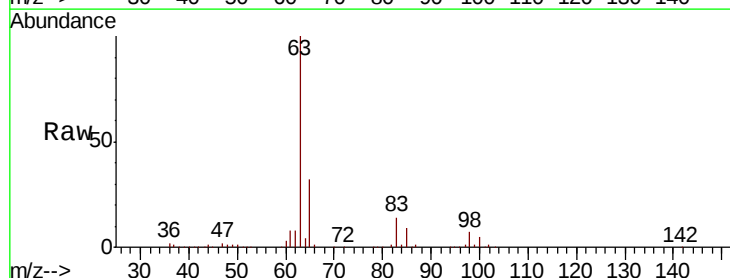
Tgt Ion: 63 Resp: 311409

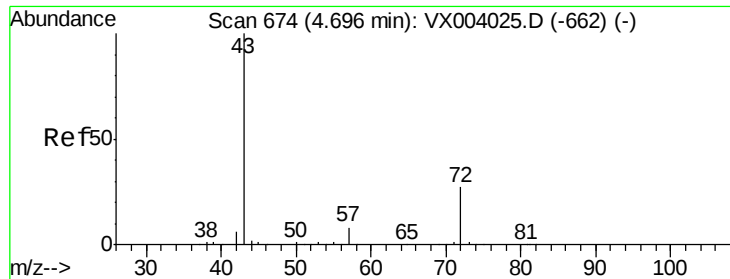
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 252.62 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 43 Resp: 801353

Ion Ratio Lower Upper

43 100

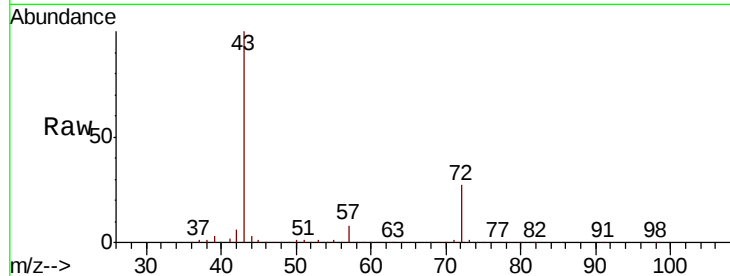
72 27.2 21.4 32.0

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

300000

250000

200000

150000

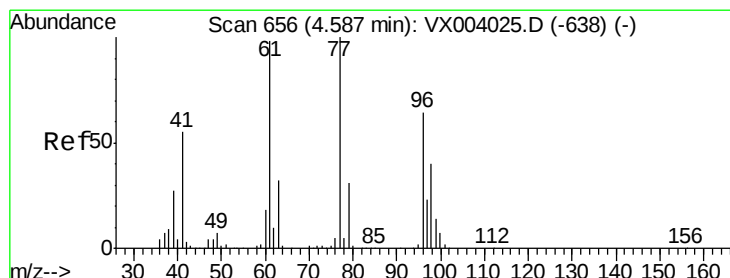
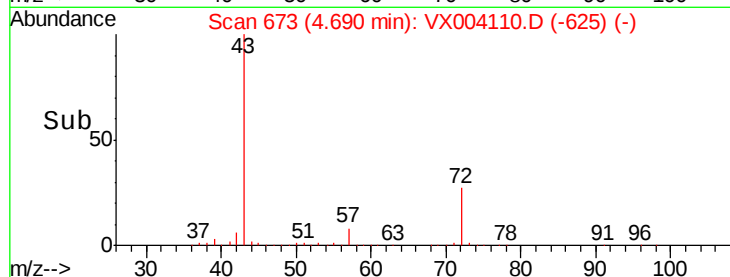
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 22.21 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004110.D

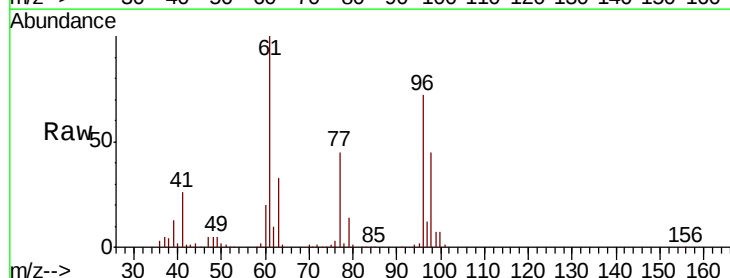
Acq: 16 Aug 2018 08:53

Tgt Ion: 77 Resp: 104384

Ion Ratio Lower Upper

77 100

97 27.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

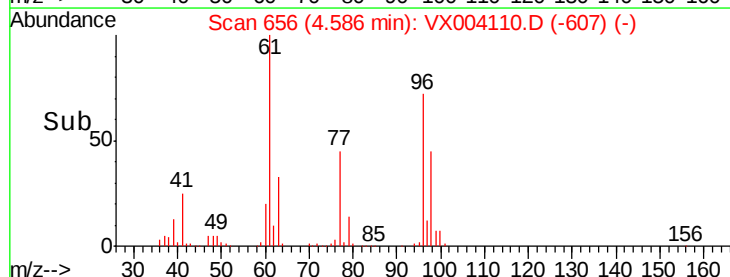
20000

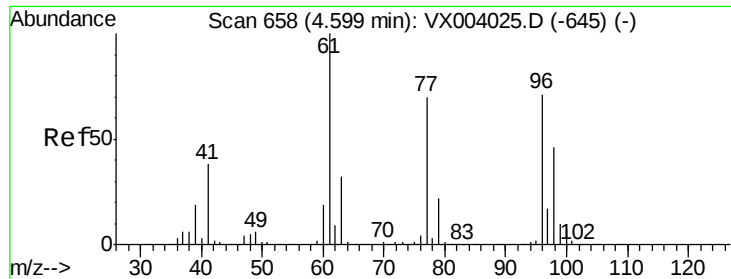
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

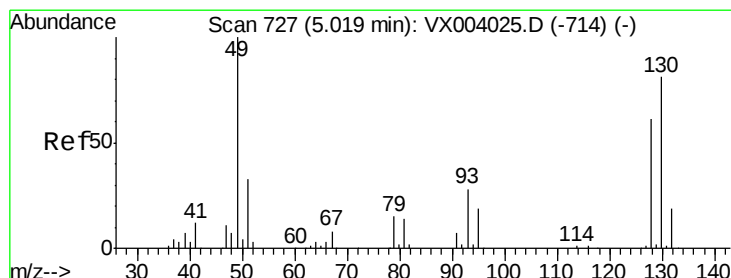
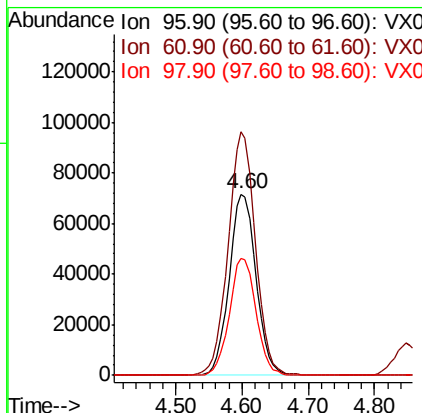
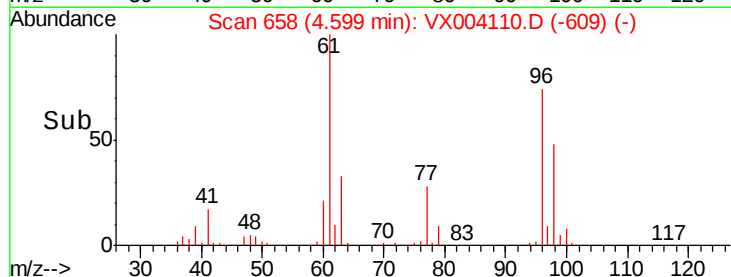
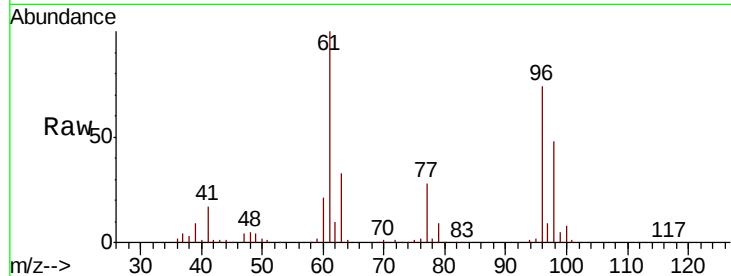
cis-1,2-Dichloroethene
Concen: 56.25 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	201138		
61	136.6	0.0	293.0	
98	64.3	0.0	131.8	

Manual Integrations
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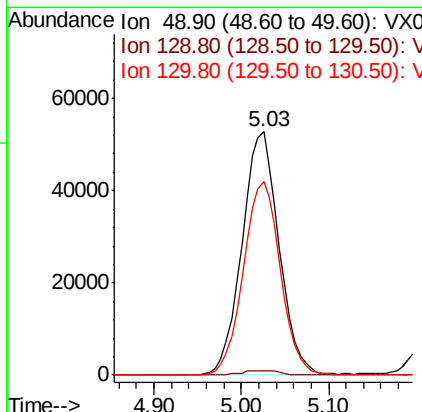
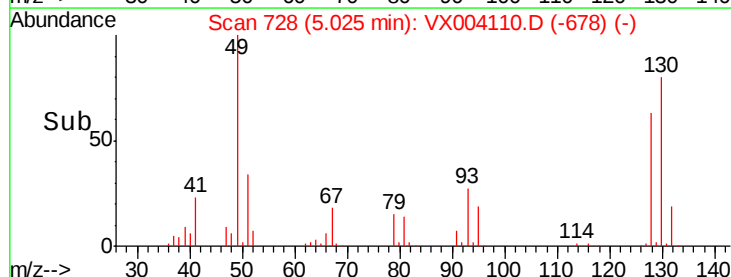
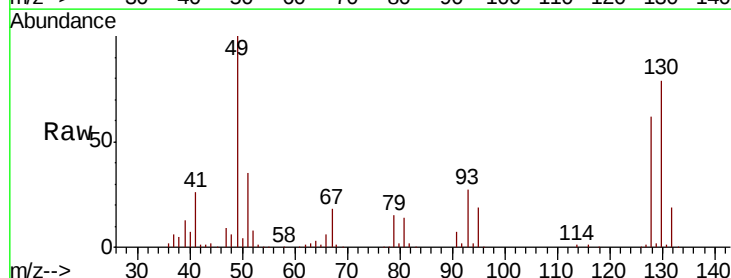
MMDadoda
8/16/2018 4:40:17 PM

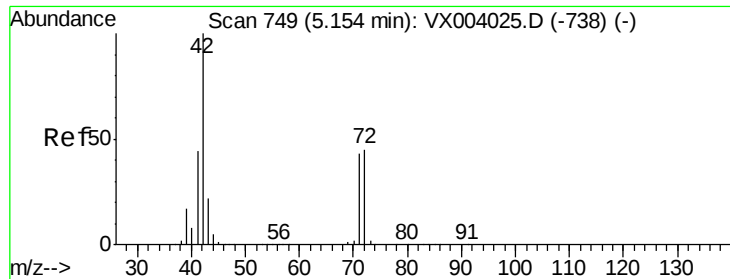


#28

Bromochloromethane
Concen: 57.37 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	155624		
129	2.0	0.0	4.2	
130	79.6	66.5	99.7	





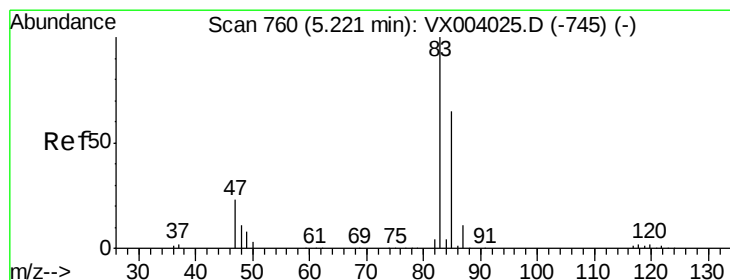
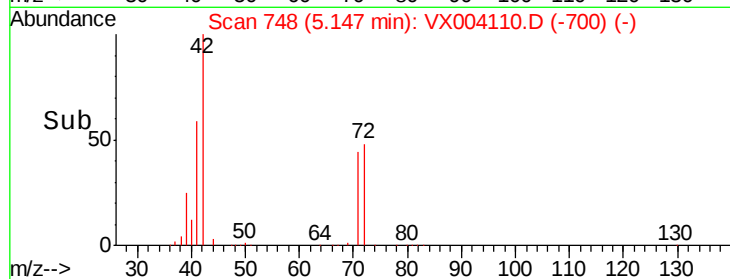
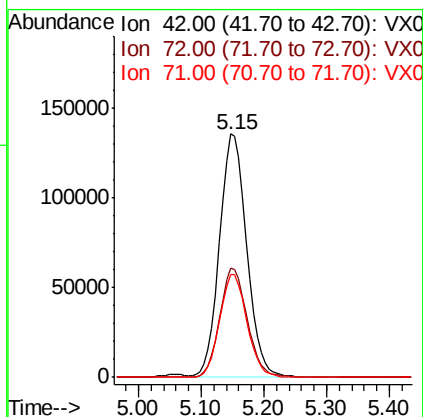
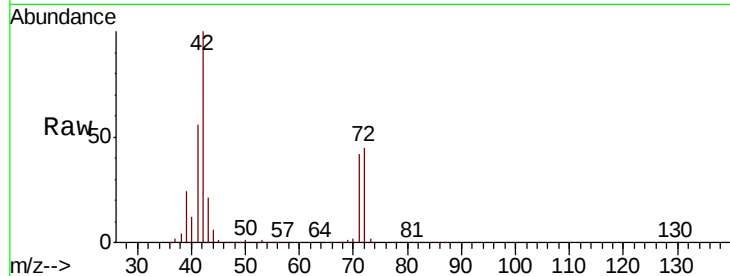
#29
Tetrahydrofuran
Concen: 250.87 ug/l
RT: 5.15 min Scan# 748
Delta R.T. -0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.7	56.5
71	42.7	35.0	52.6

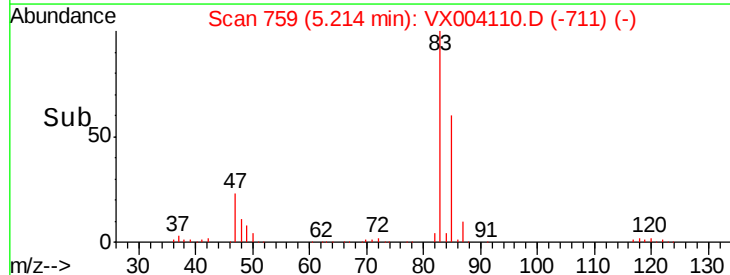
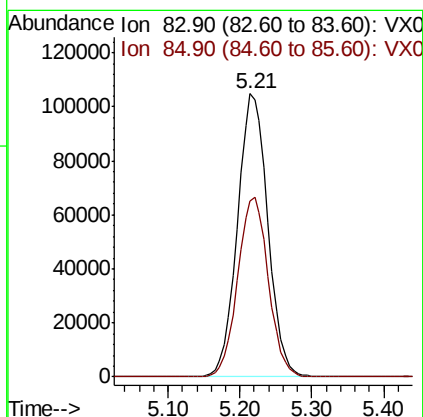
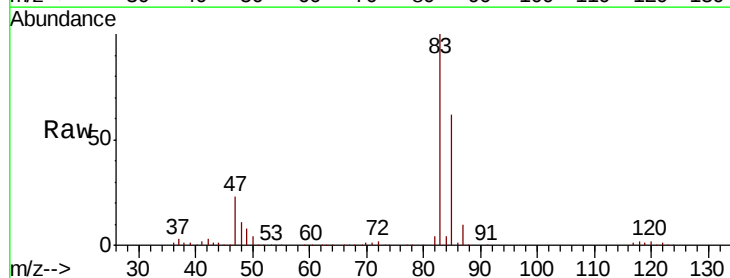
Manual Integrations
APPROVED

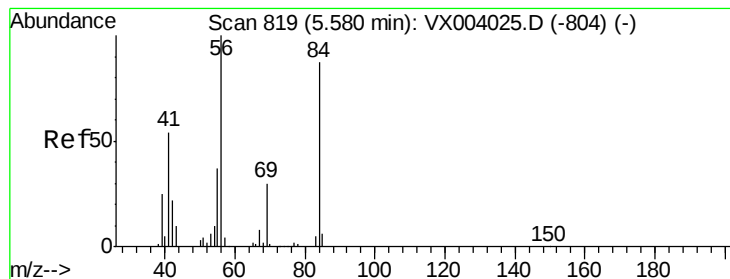
MMDadoda
8/16/2018 4:40:17 PM



#30
Chloroform
Concen: 53.00 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.7	76.1





#31

Cyclohexane

Concen: 49.80 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 56 Resp: 258112

Ion Ratio Lower Upper

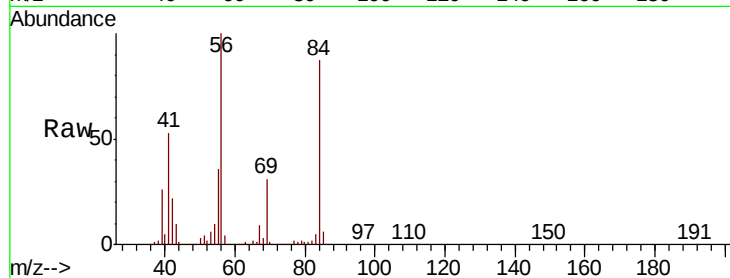
56 100

69 30.7 24.9 37.3

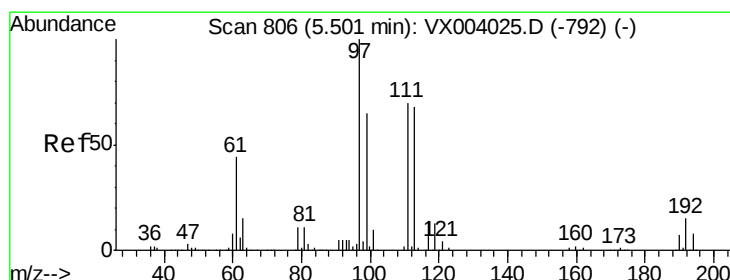
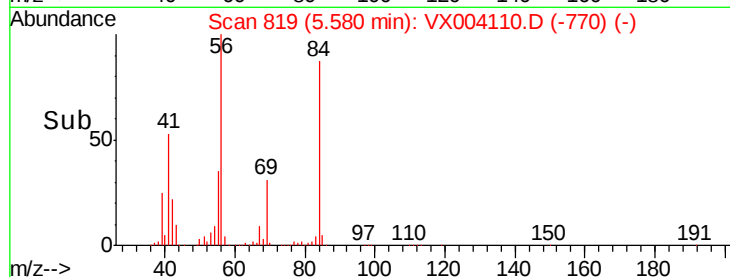
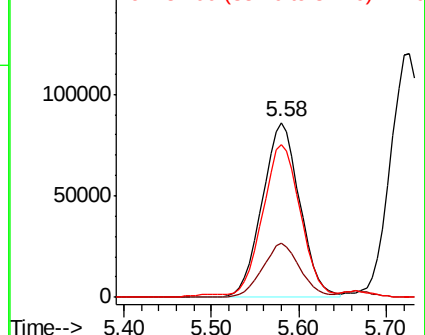
84 86.7 71.7 107.5

Manual Integrations
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.21 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

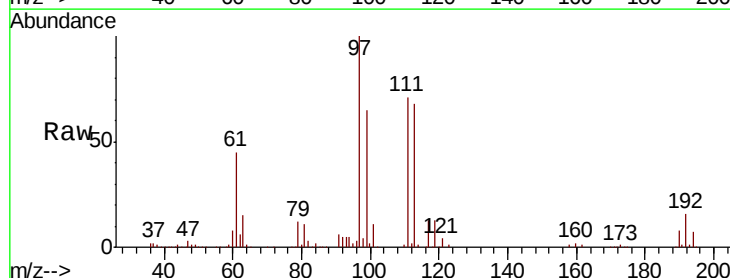
Tgt Ion: 97 Resp: 256609

Ion Ratio Lower Upper

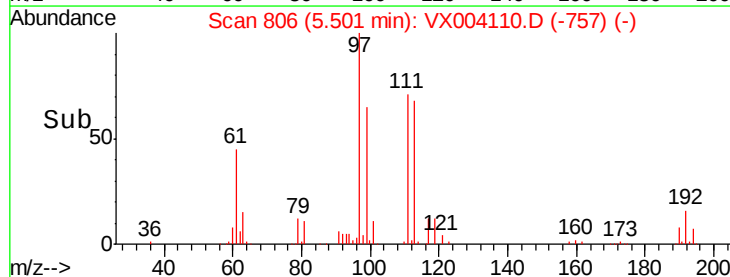
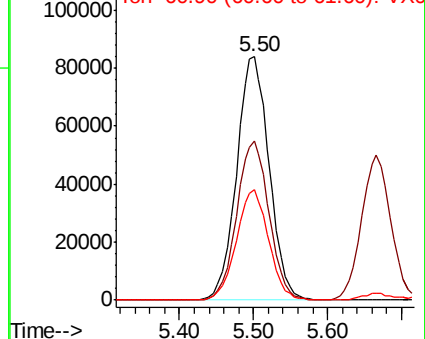
97 100

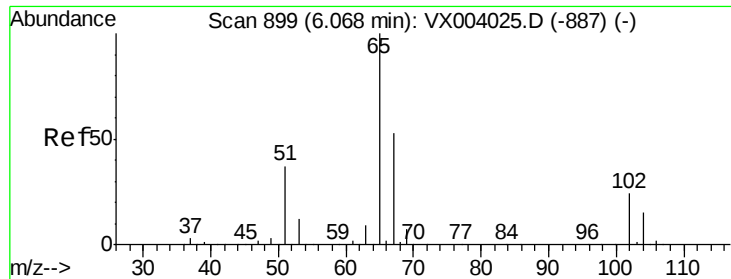
99 64.9 51.8 77.8

61 45.1 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





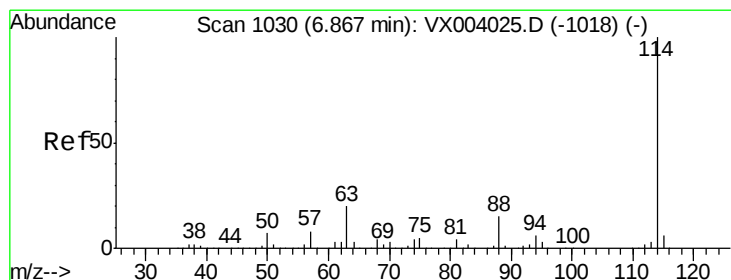
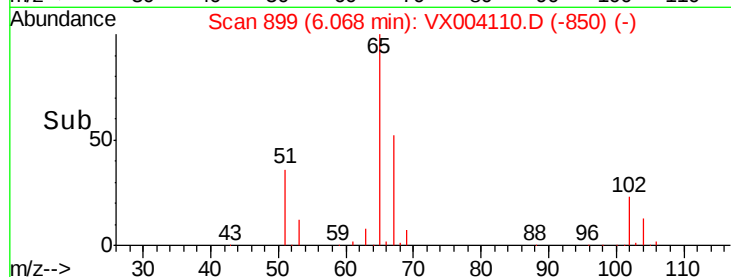
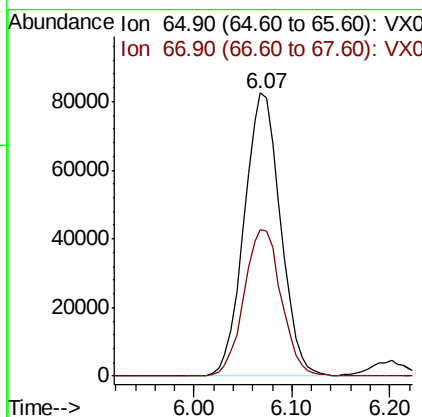
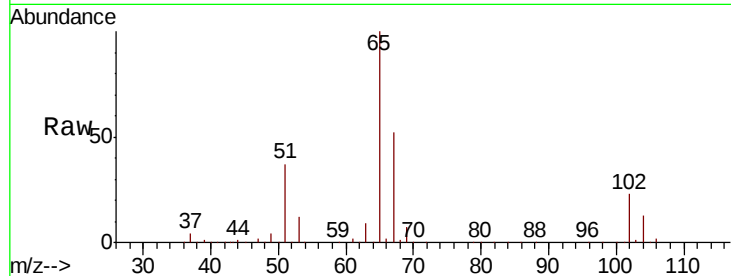
#33
 1,2-Dichloroethane-d4
 Concen: 56.78 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8

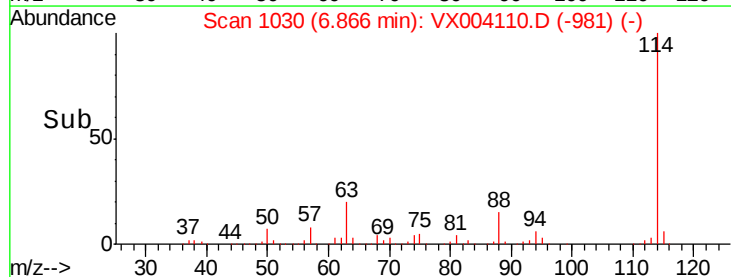
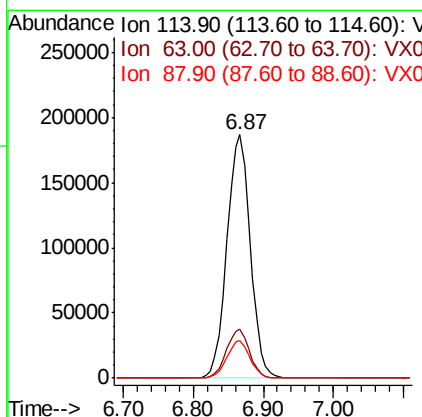
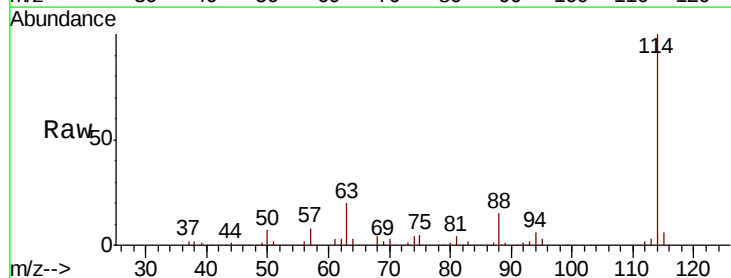
Manual Integrations
 APPROVED

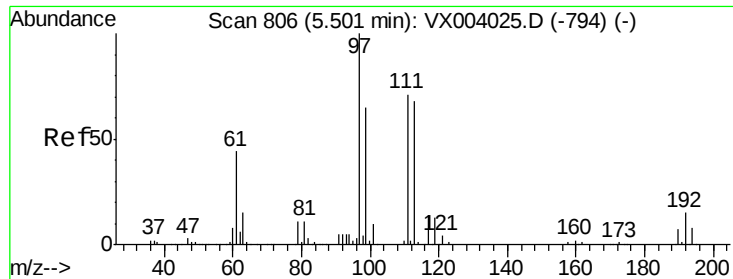
MMDadoda
 8/16/2018 4:40:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.0
88	15.4	0.0	32.0





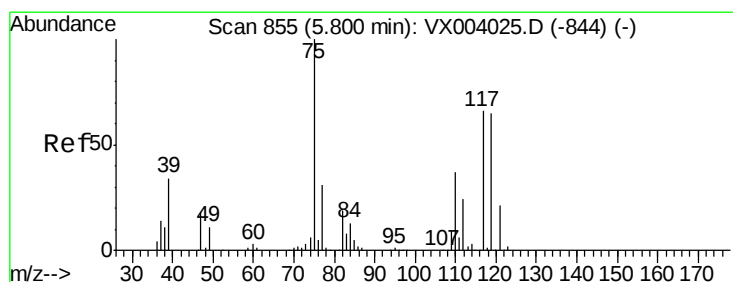
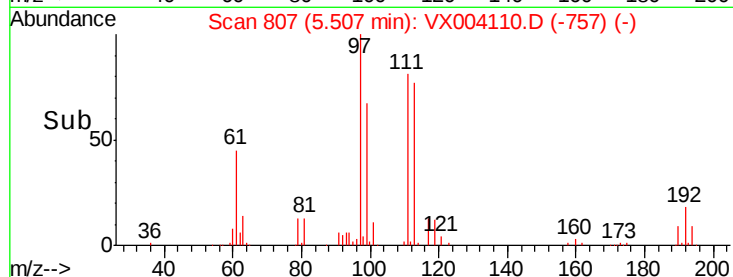
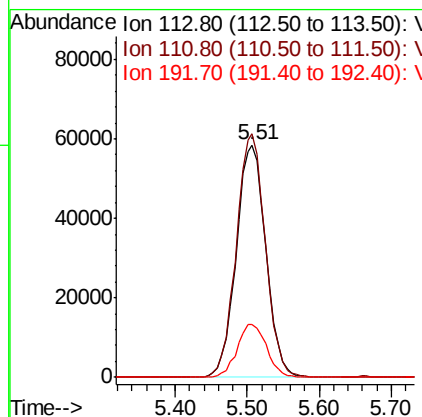
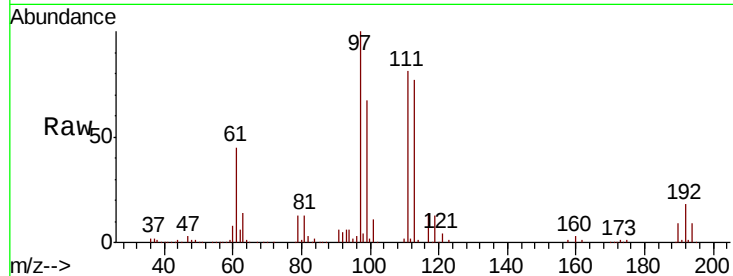
#35
 Dibromofluoromethane
 Concen: 51.51 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166488		
111	102.8	82.0	123.0	
192	22.8	19.0	28.4	

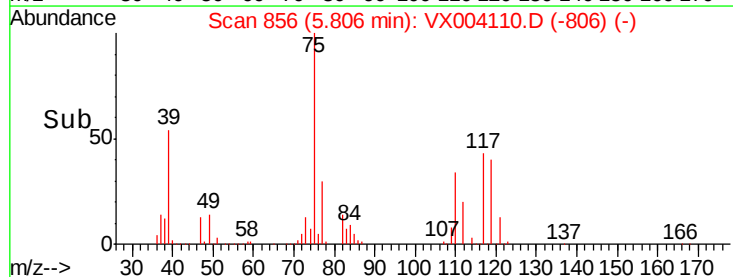
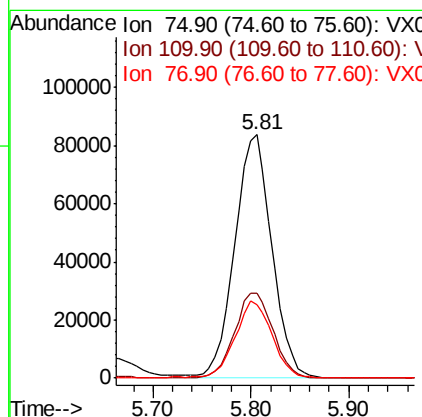
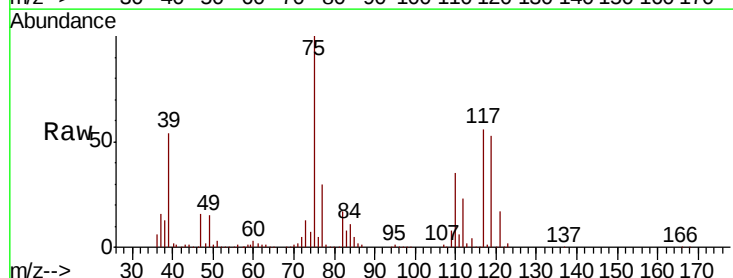
Manual Integrations
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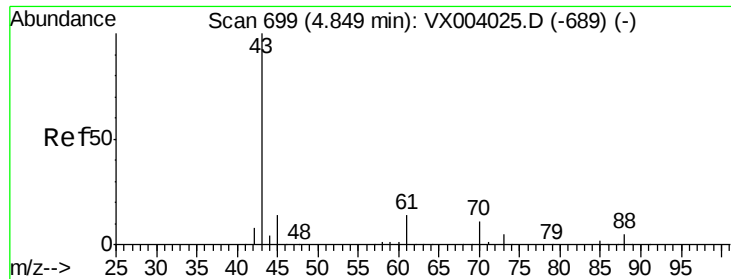
MMDadoda
 8/16/2018 4:40:17 PM



#36
 1,1-Dichloropropene
 Concen: 44.63 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	219324		
110	36.4	18.2	54.6	
77	31.3	25.0	37.4	





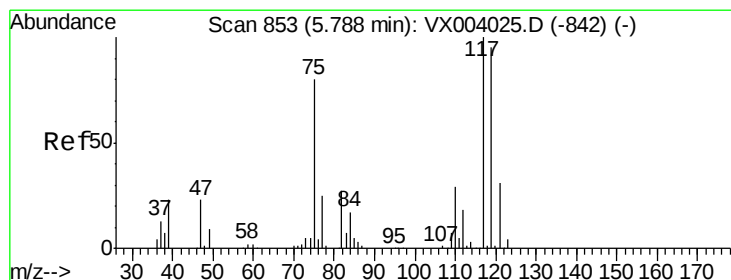
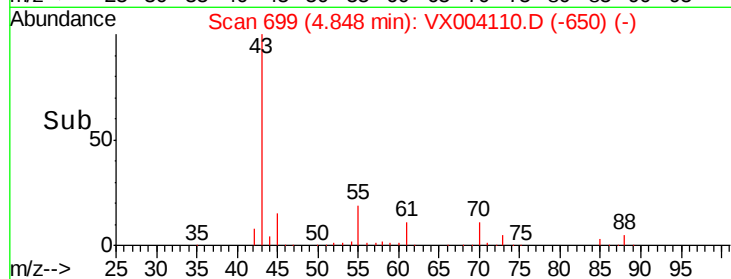
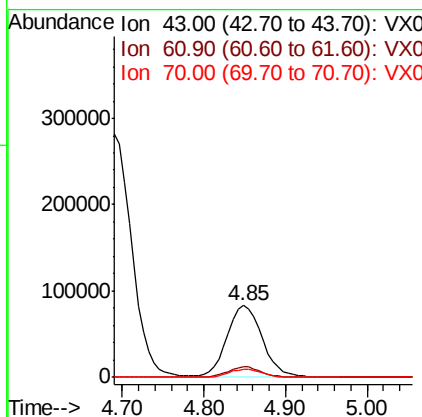
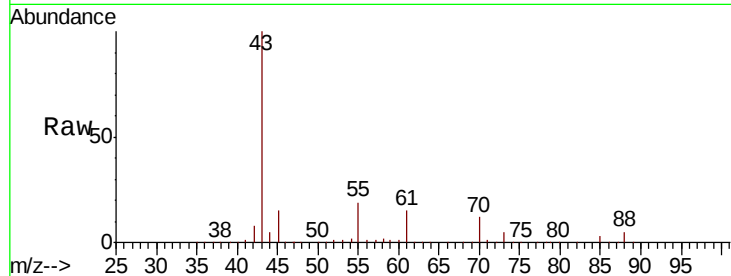
#37
Ethyl Acetate
Concen: 46.27 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	10.9	9.0	13.4

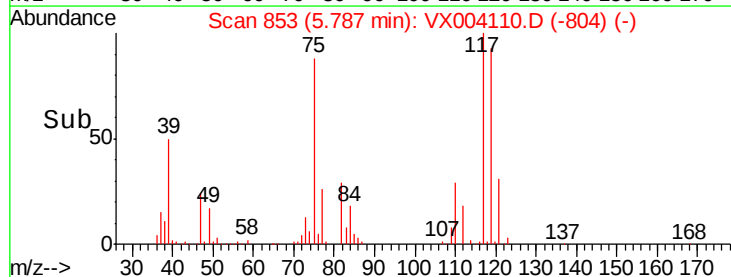
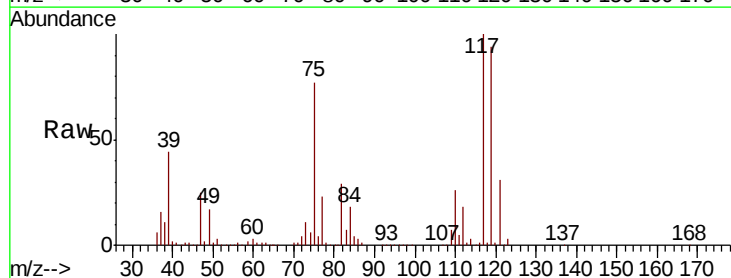
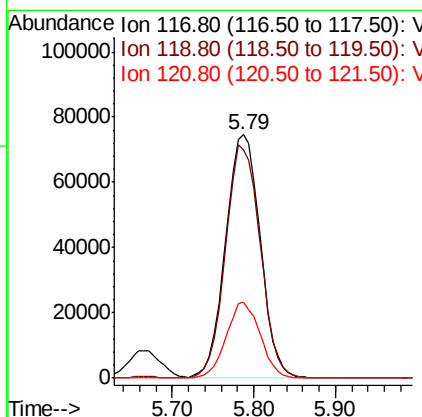
Manual Integrations
APPROVED

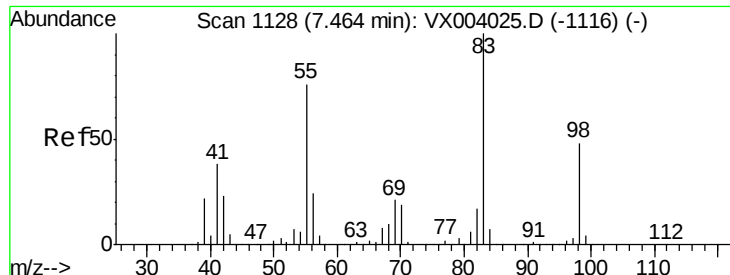
MMDadoda
8/16/2018 4:40:17 PM



#38
Carbon Tetrachloride
Concen: 45.95 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	79.5	119.3
121	31.3	25.0	37.4





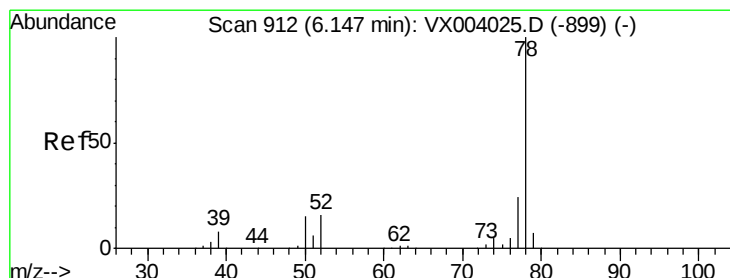
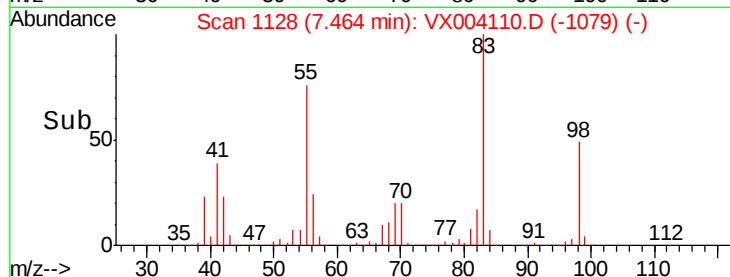
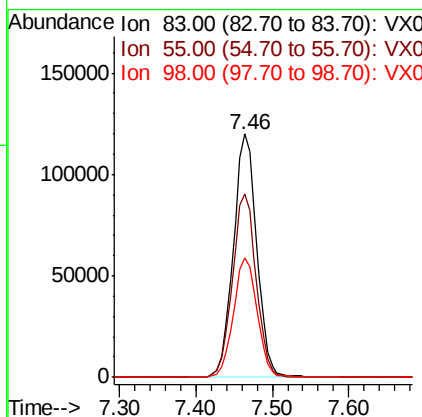
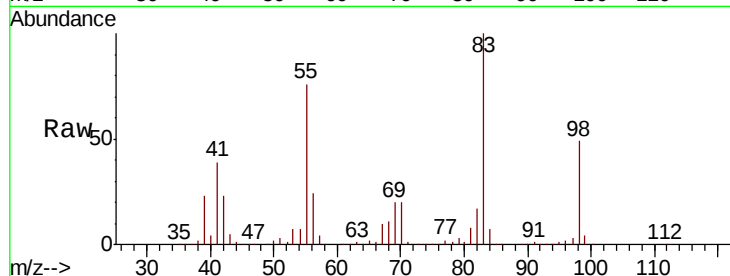
#39
Methylvlcyclohexane
Concen: 45.56 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.0	91.6
98	49.1	38.6	57.8

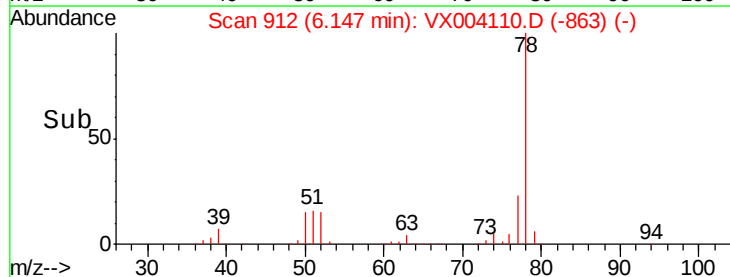
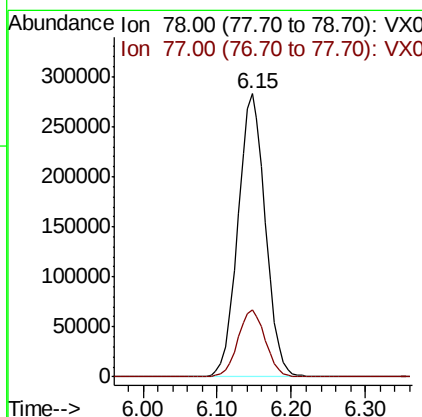
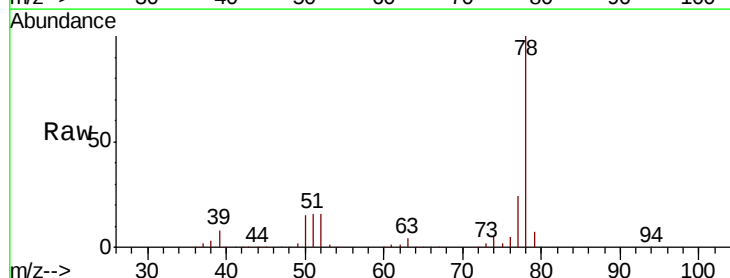
Manual Integrations
APPROVED

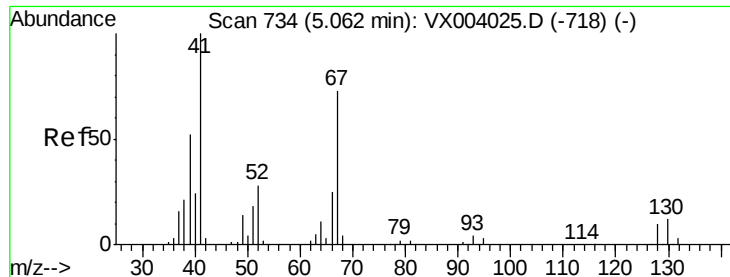
MMDadoda
8/16/2018 4:40:17 PM



#40
Benzene
Concen: 49.48 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





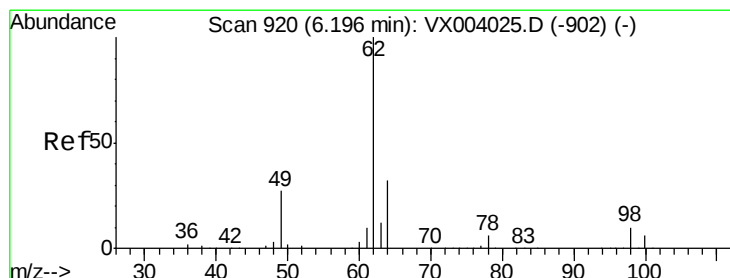
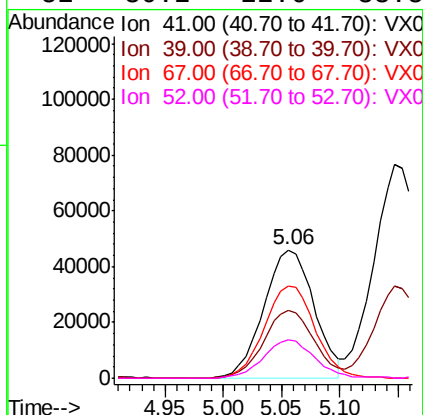
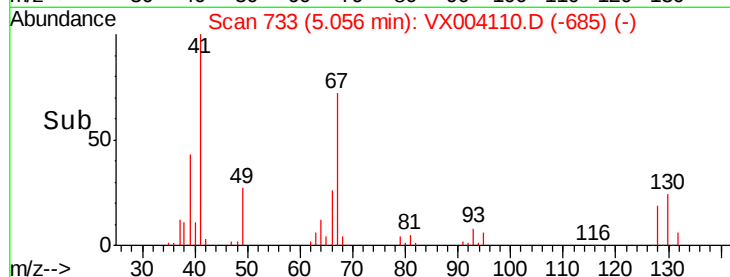
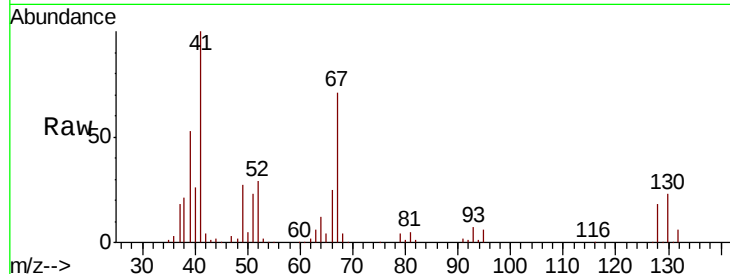
#41
Methacrylonitrile
Concen: 45.69 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.7	64.1	
67	73.5	58.9	88.3	
52	30.2	22.6	33.8	

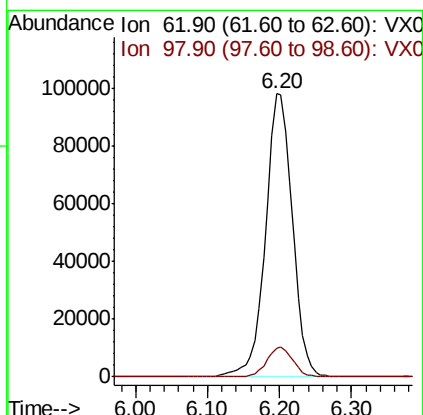
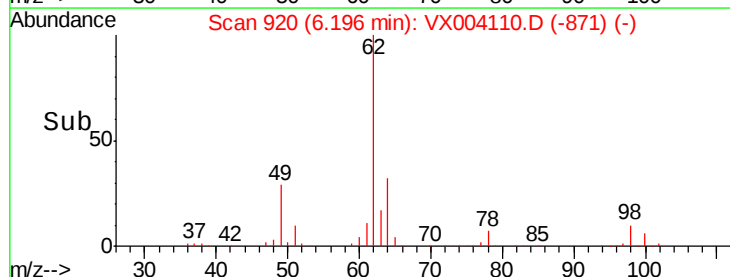
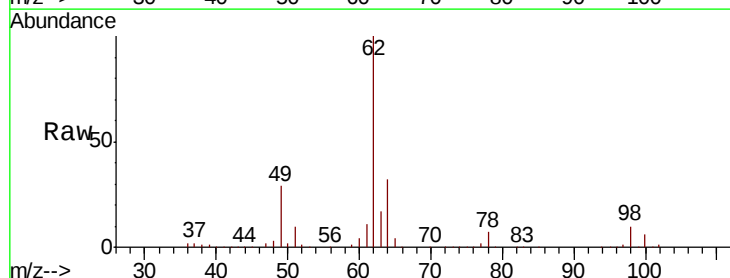
Manual Integrations
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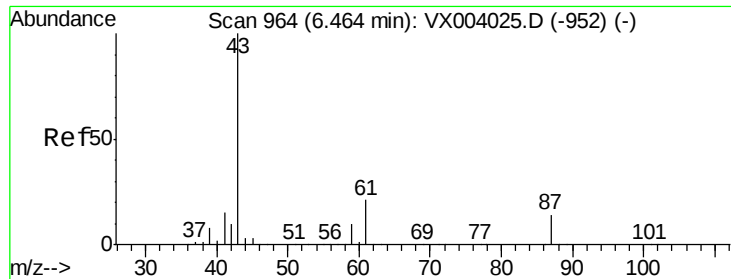
MMDadoda
8/16/2018 4:40:17 PM



#42
1,2-Dichloroethane
Concen: 49.14 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

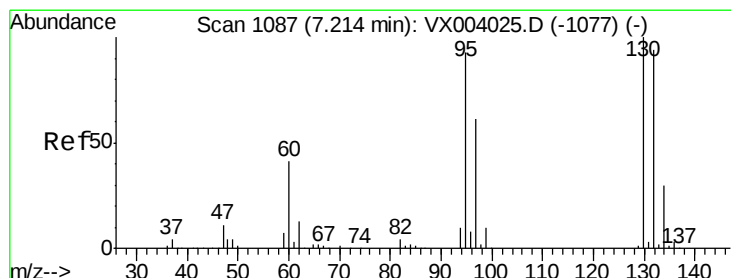
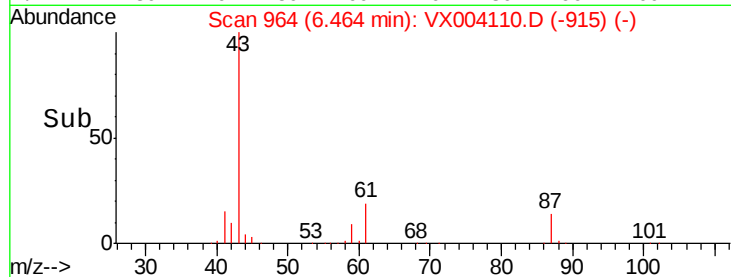
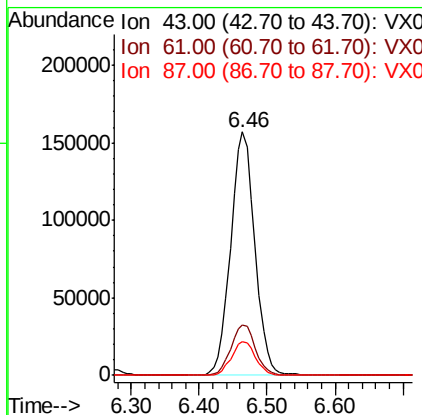
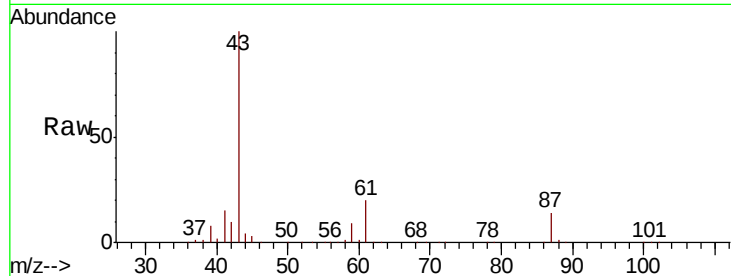
Isopropyl Acetate
 Concen: 48.84 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	43	Resp	385211
Ion Ratio	Lower	Upper	
43	100		
61	21.0	16.9	25.3
87	13.9	11.3	16.9

Manual Integrations
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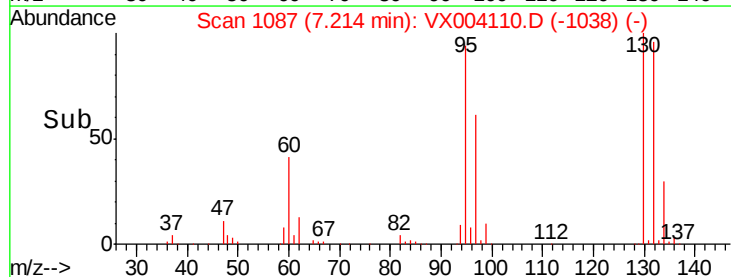
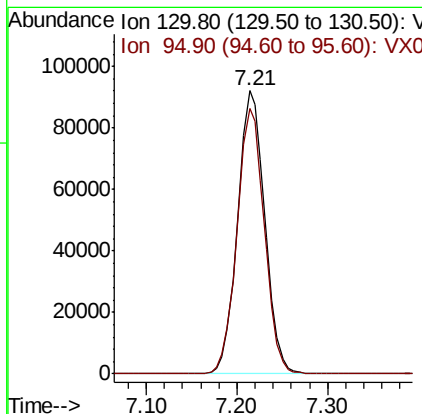
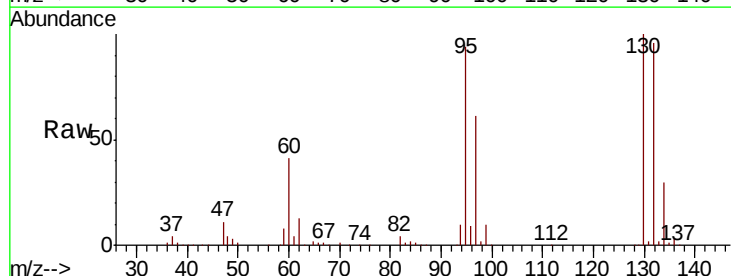
MMDadoda
 8/16/2018 4:40:17 PM

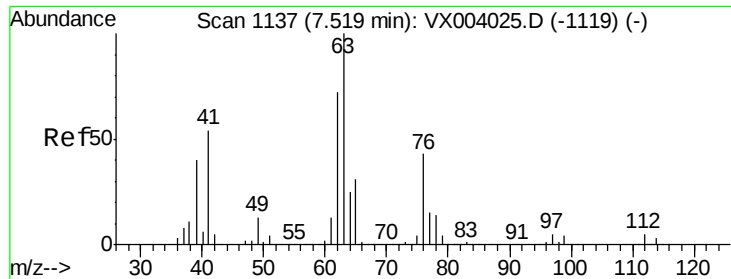


#44

Trichloroethene
 Concen: 47.82 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	130	Resp	191552
Ion Ratio	Lower	Upper	
130	100		
95	93.7	0.0	199.4





#45

1,2-Dichloropropane

Concen: 50.26 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 63 Resp: 189849

Ion Ratio Lower Upper

63 100

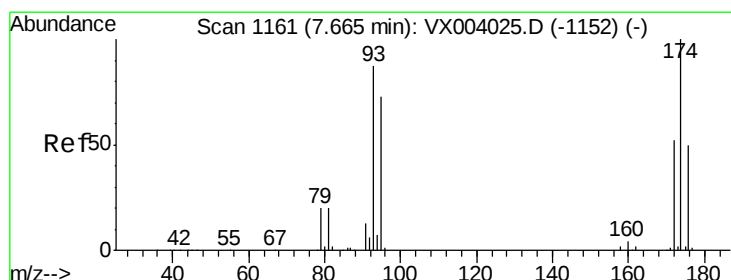
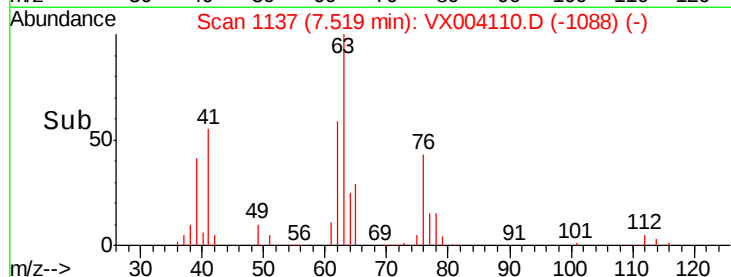
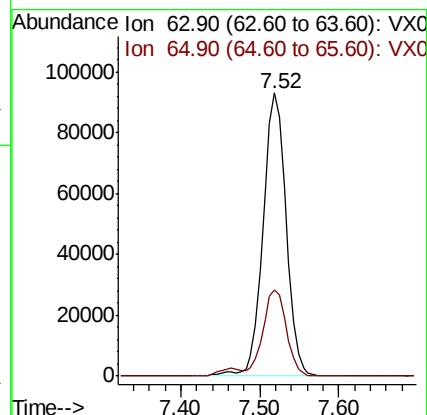
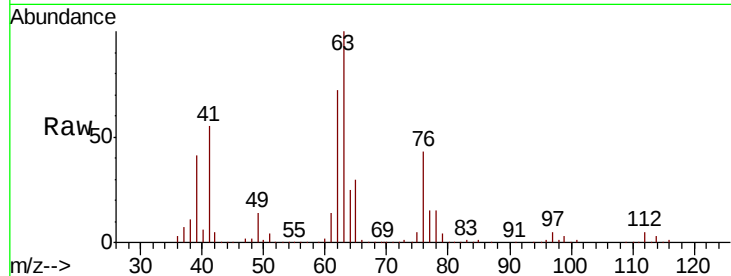
65 30.4 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 49.85 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

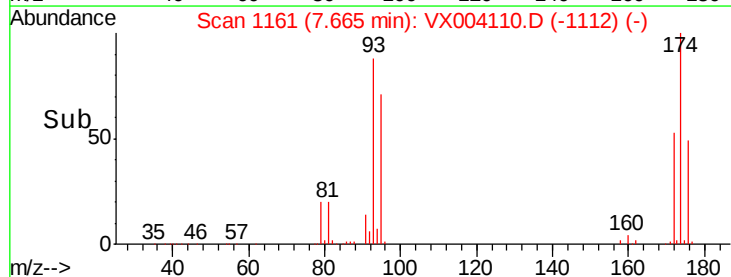
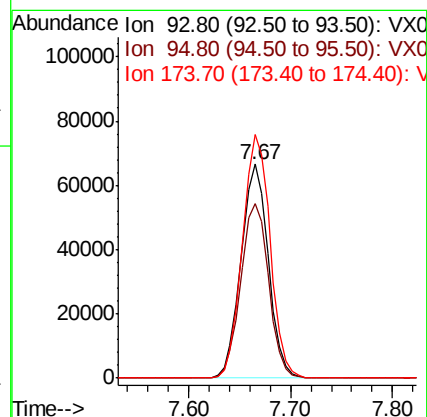
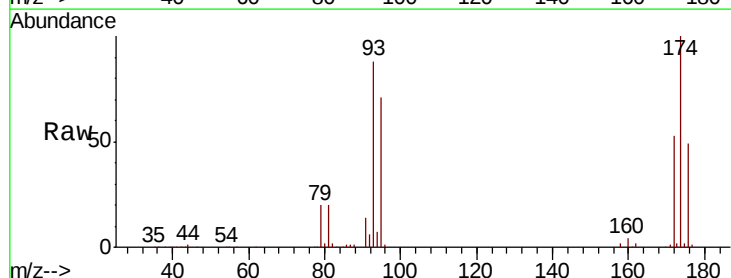
Tgt Ion: 93 Resp: 123068

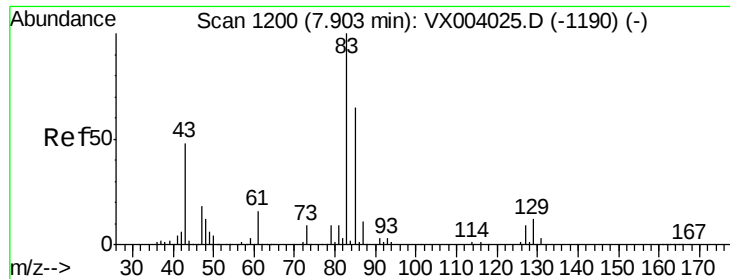
Ion Ratio Lower Upper

93 100

95 83.6 66.4 99.6

174 115.9 94.3 141.5





#47

Bromodichloromethane

Concen: 50.90 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

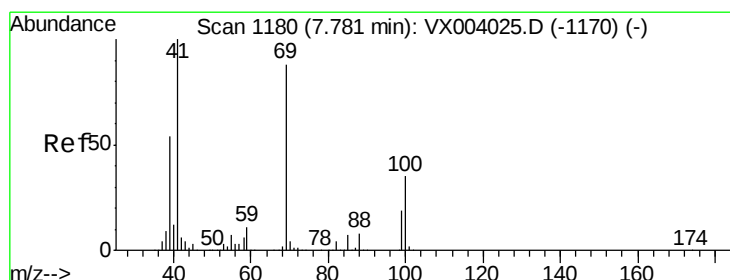
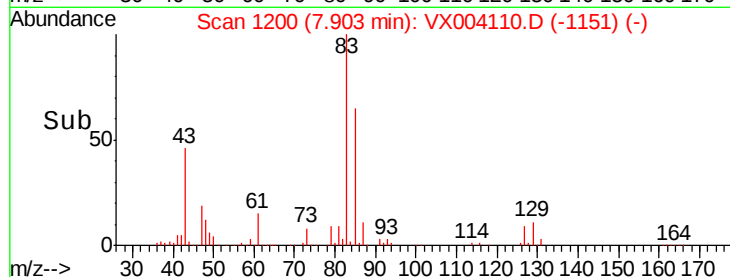
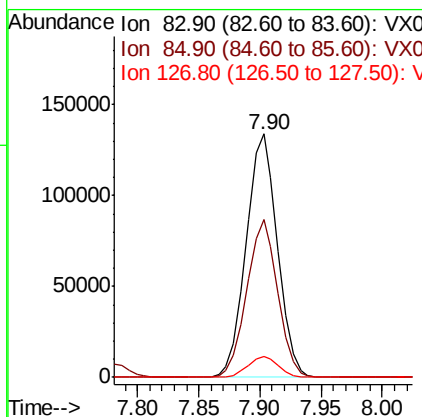
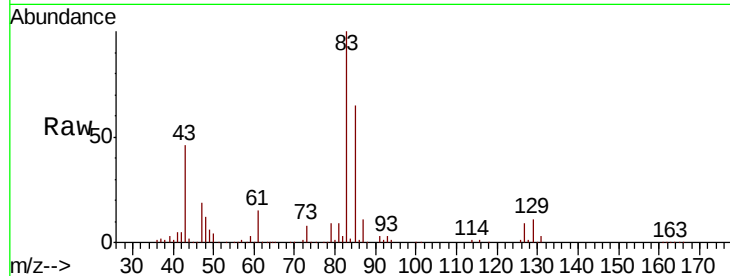
ClientSampleId :

SS050MW504-180814MS

Tot Ion:	83	Resp:	237973
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.2	76.8
127	8.7	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.14 ug/l

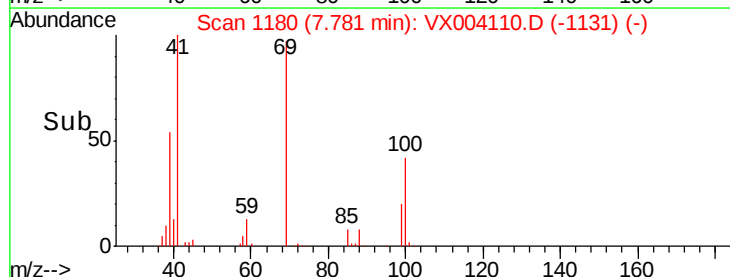
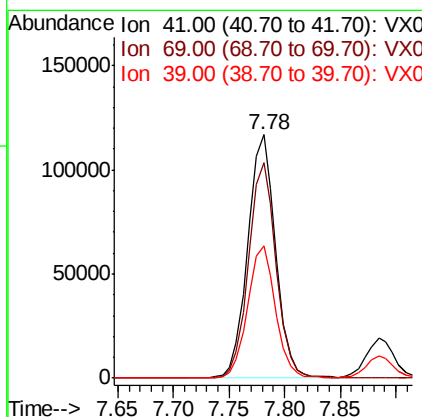
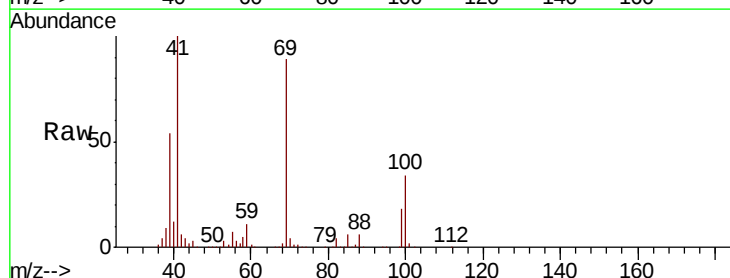
RT: 7.78 min Scan# 1180

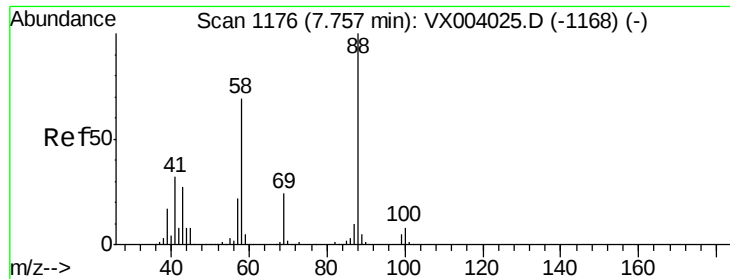
Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Tgt Ion:	41	Resp:	203076
Ion Ratio	Lower	Upper	
41	100		
69	87.9	68.8	103.2
39	54.8	42.3	63.5





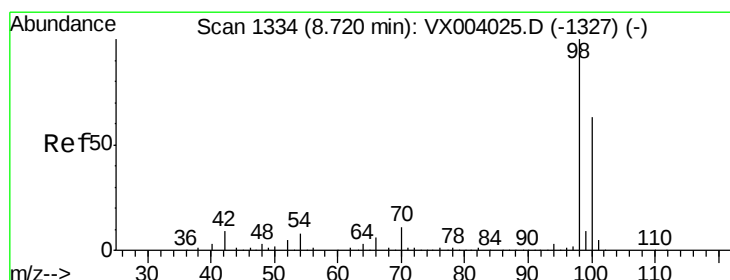
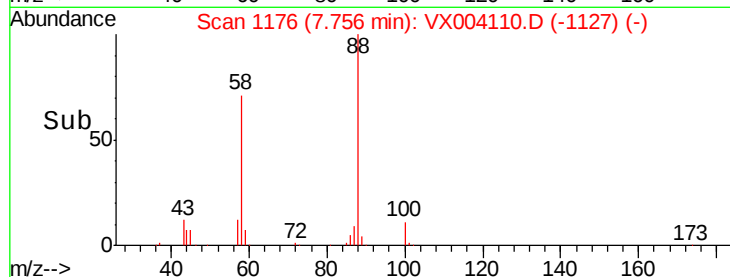
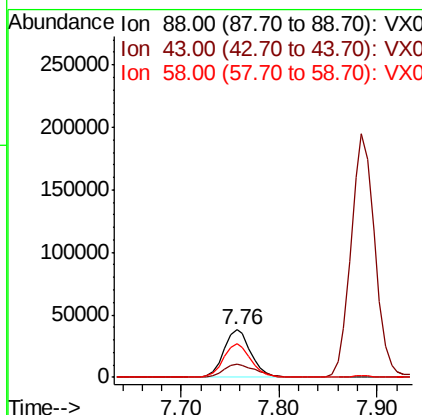
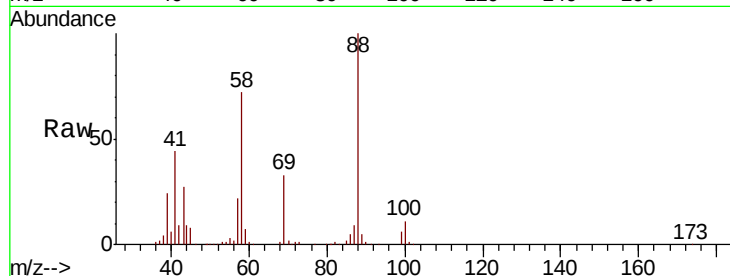
#49
 1,4-Dioxane
 Concen: 812.98 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	23.8	35.8
58	72.2	55.4	83.0

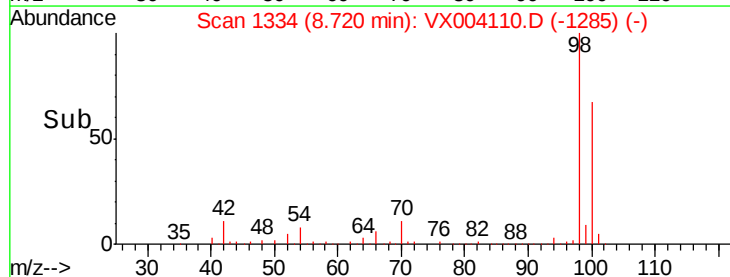
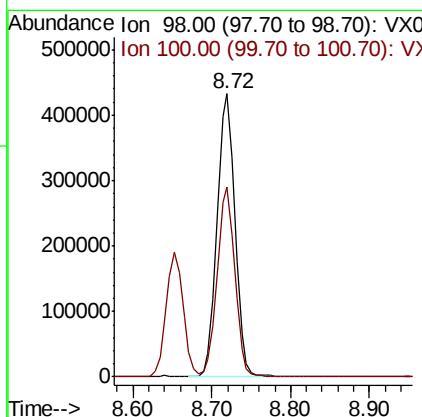
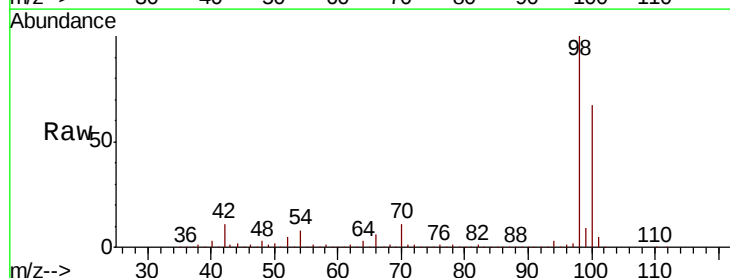
Manual Integrations
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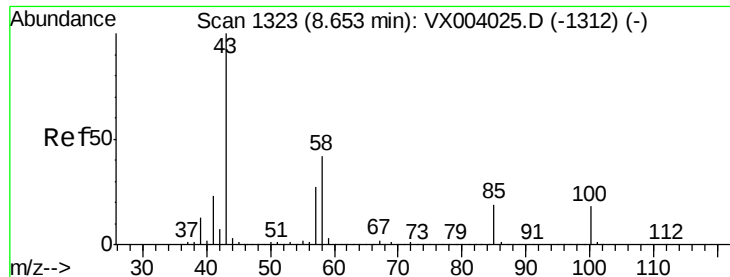
MMDadoda
 8/16/2018 4:40:17 PM



#50
 Toluene-d8
 Concen: 52.37 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 255.85 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 43 Resp: 1654715

Ion Ratio Lower Upper

43 100

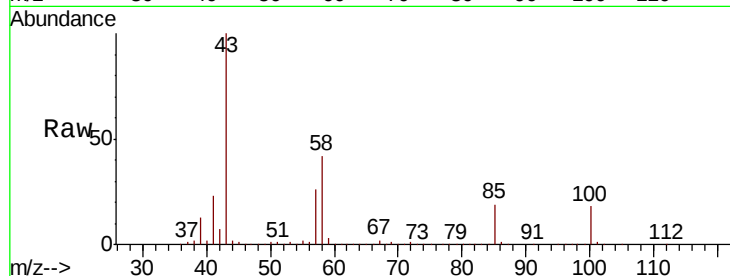
58 41.2 33.0 49.6

Manual Integrations

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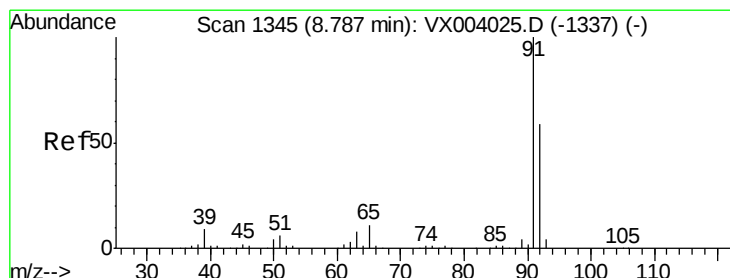
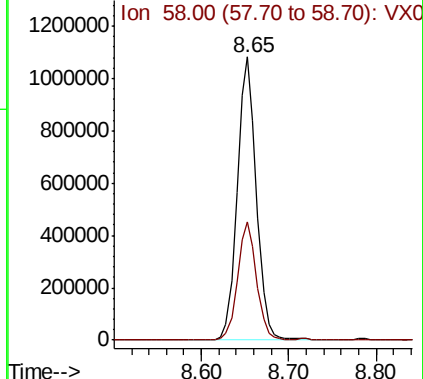
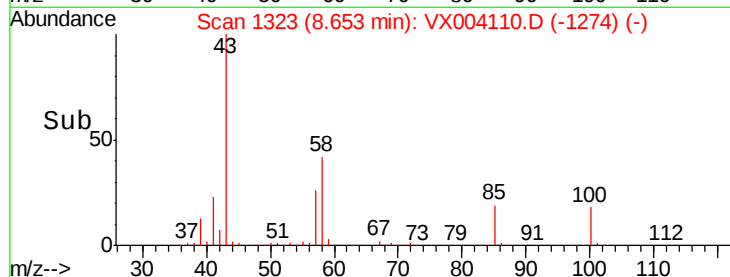
MMDadoda

8/16/2018 4:40:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.23 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004110.D

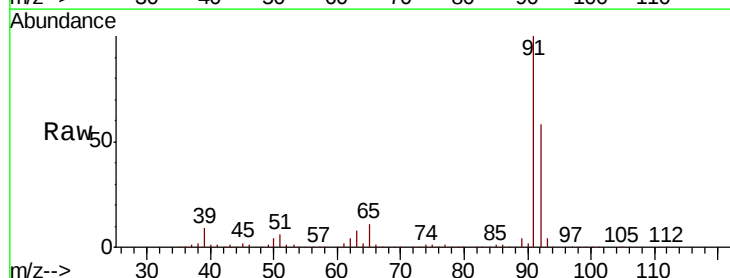
Acq: 16 Aug 2018 08:53

Tgt Ion: 92 Resp: 468702

Ion Ratio Lower Upper

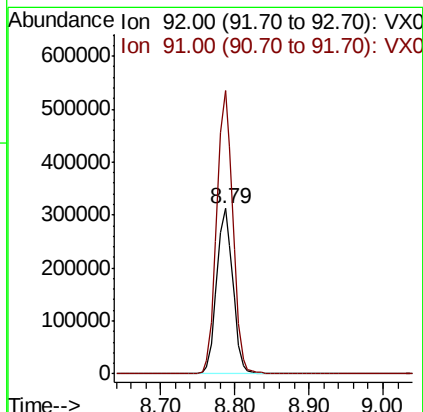
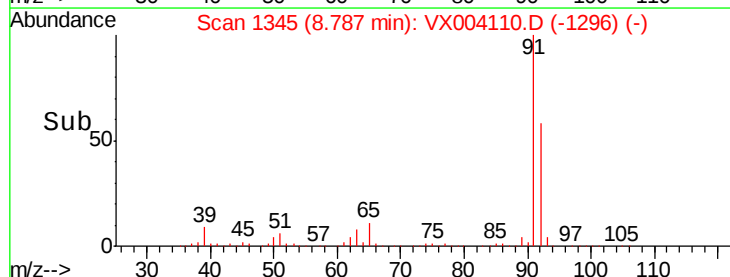
92 100

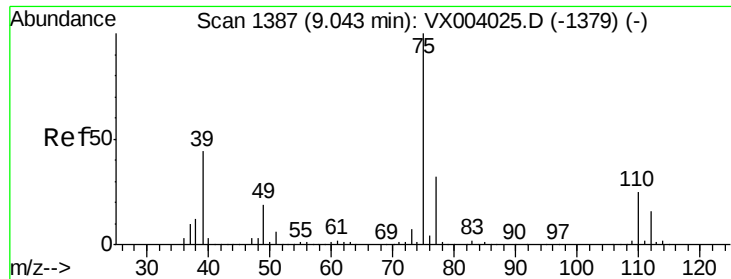
91 170.8 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





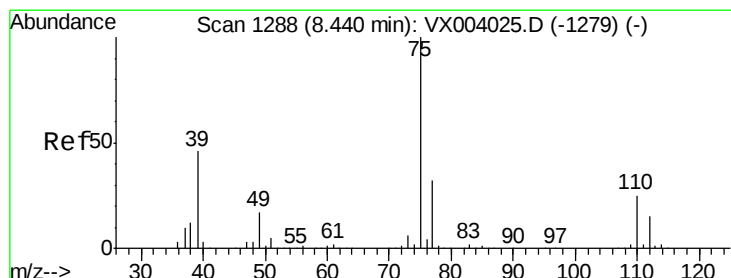
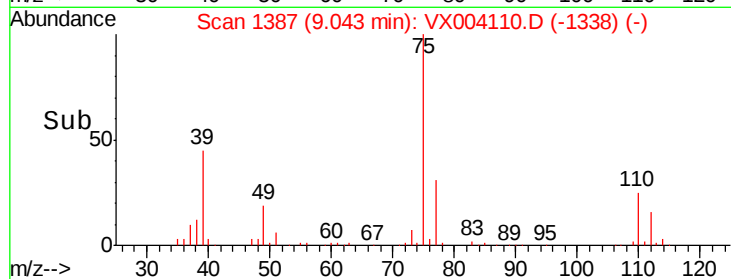
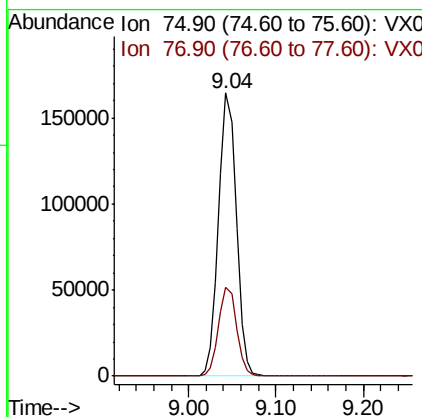
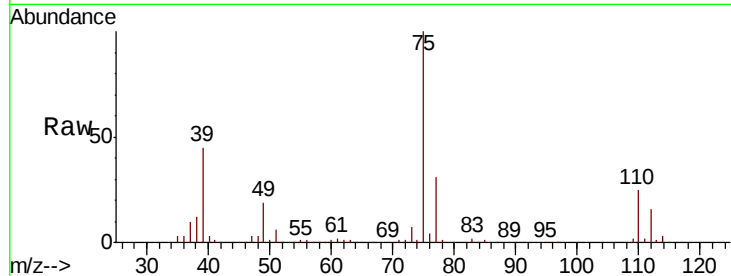
#53
 t-1,3-Dichloropropene
 Concen: 46.01 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7

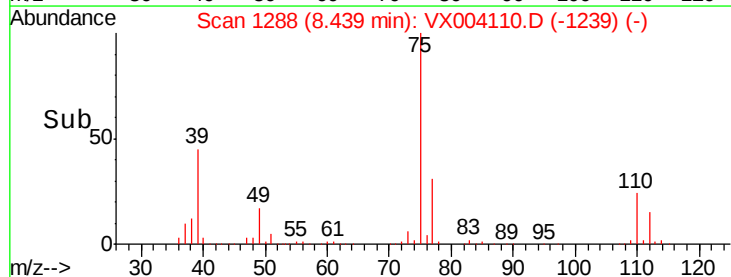
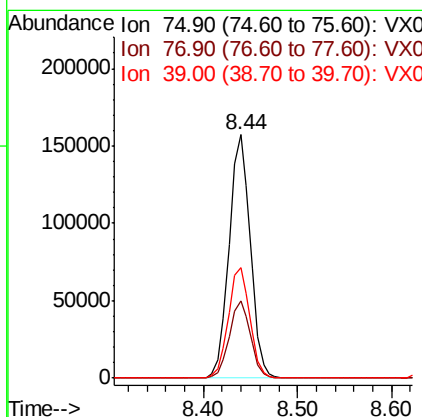
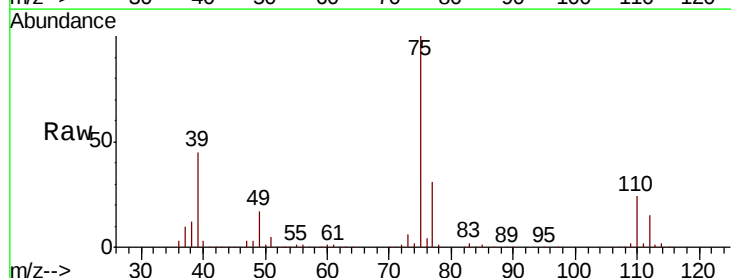
Manual Integrations
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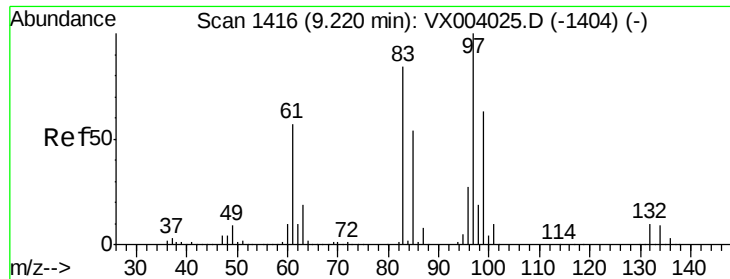
MMDadoda
 8/16/2018 4:40:17 PM



#54
 cis-1,3-Dichloropropene
 Concen: 43.84 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	45.4	36.2	54.2





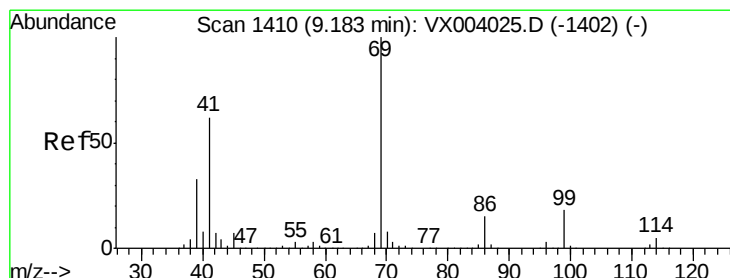
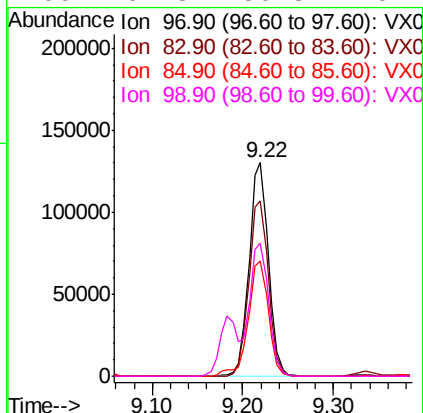
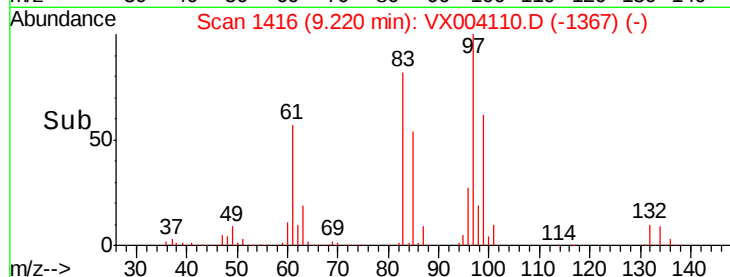
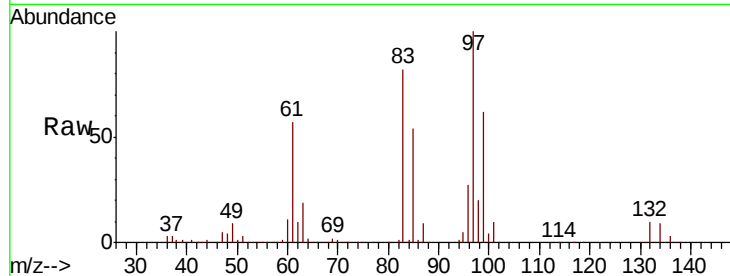
#55
 1,1,2-Trichloroethane
 Concen: 49.60 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion:	97	Resp:	191149
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.8	101.6
85	53.8	44.2	66.2
99	62.3	50.8	76.2

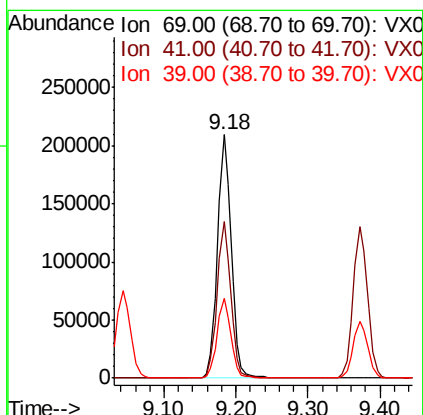
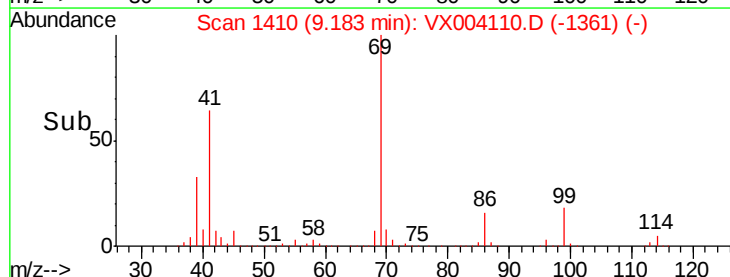
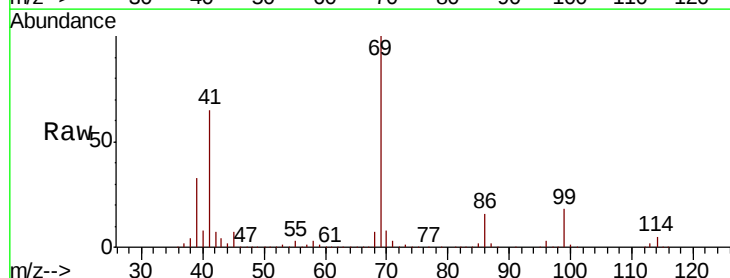
Manual Integrations
 APPROVED

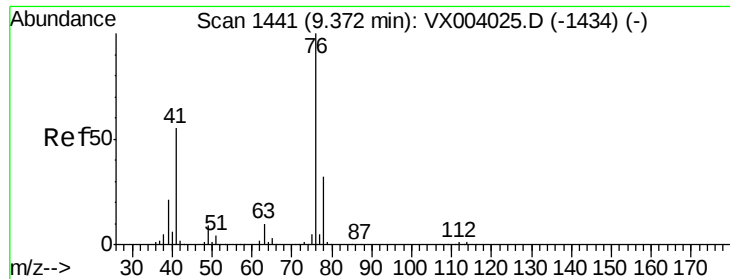
MMDadoda
 8/16/2018 4:40:17 PM



#56
 Ethyl methacrylate
 Concen: 52.80 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion:	69	Resp:	276671
Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.6	76.0
39	33.0	25.8	38.6





#57

1,3-Dichloropropane

Concen: 50.30 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 76 Resp: 321630

Ion Ratio Lower Upper

76 100

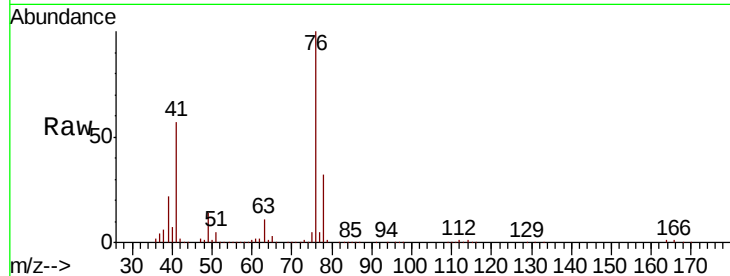
78 32.2 25.9 38.9

Manual Integrations

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MMDadoda

8/16/2018 4:40:17 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

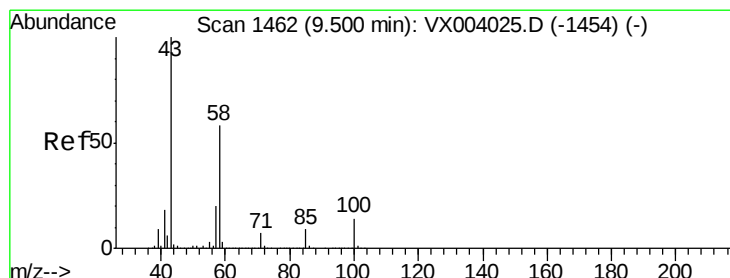
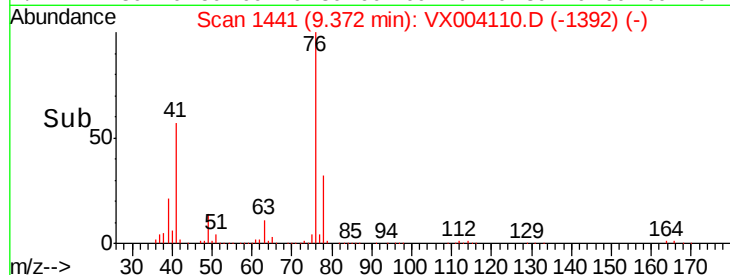
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 255.59 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX004110.D

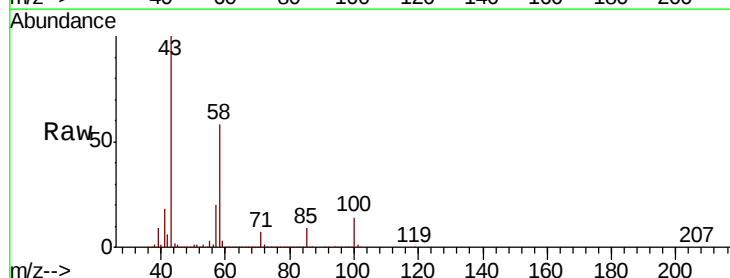
Acq: 16 Aug 2018 08:53

Tgt Ion: 43 Resp: 1244082

Ion Ratio Lower Upper

43 100

58 57.7 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

1000000

800000

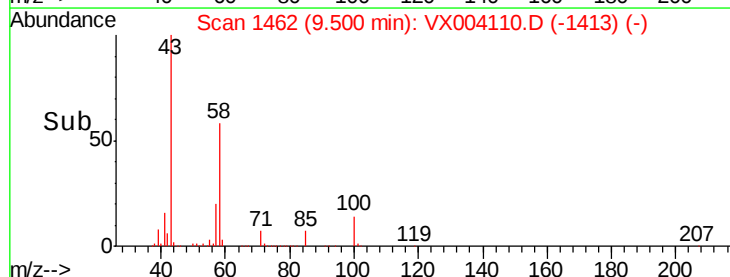
600000

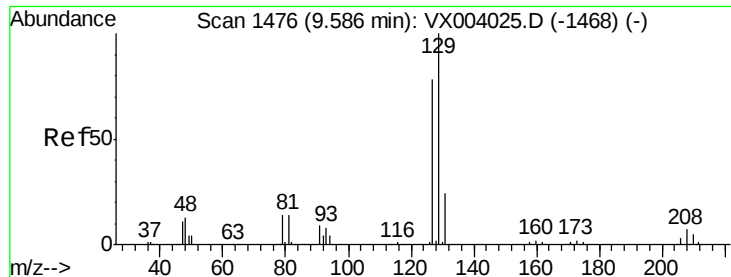
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 51.49 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion:129 Resp: 190963

Ion Ratio Lower Upper

129 100

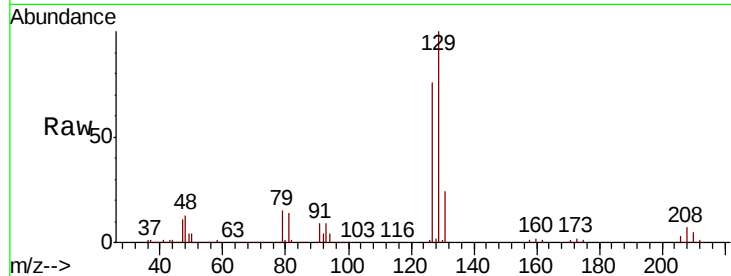
127 76.7 38.8 116.3

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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

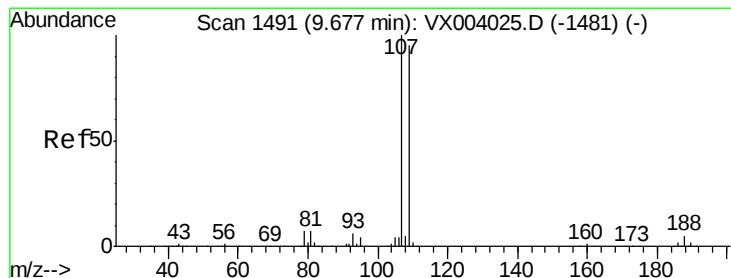
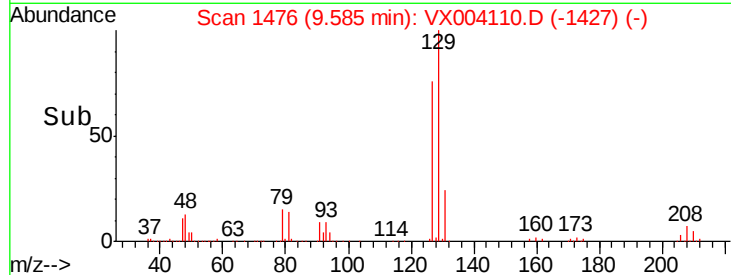
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 50.17 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004110.D

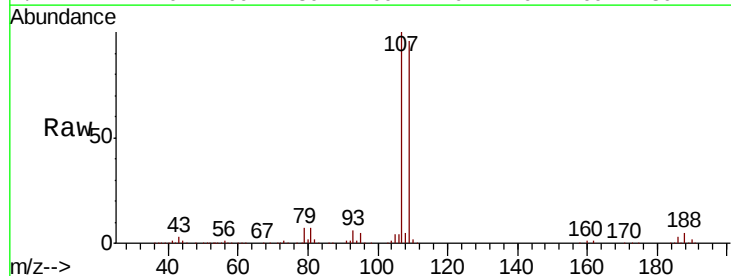
Acq: 16 Aug 2018 08:53

Tgt Ion:107 Resp: 197101

Ion Ratio Lower Upper

107 100

109 95.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

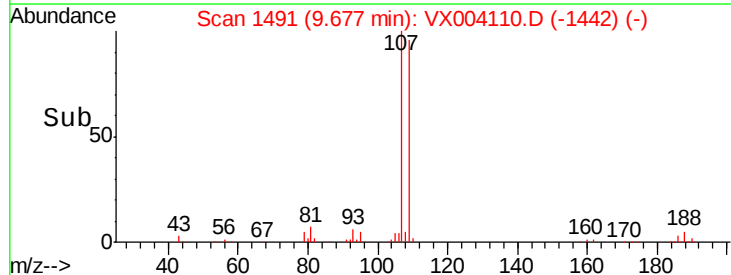
150000

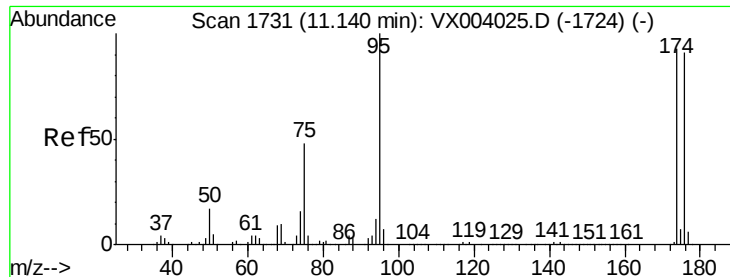
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

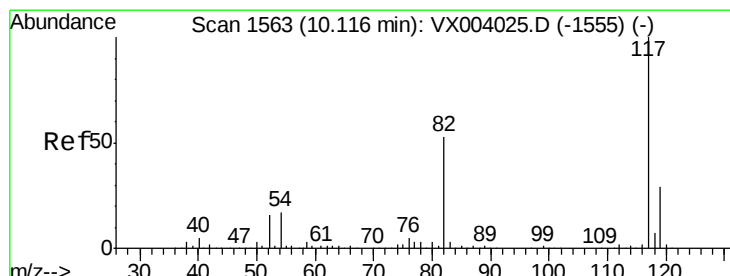
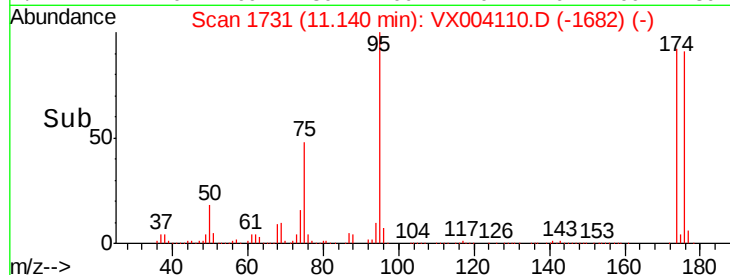
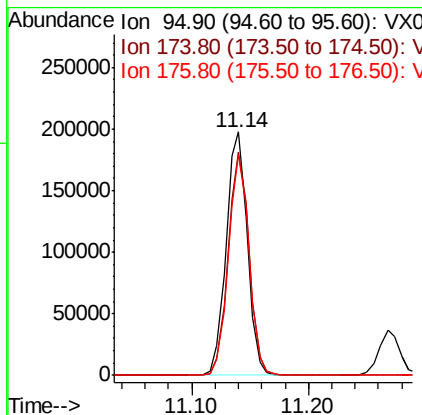
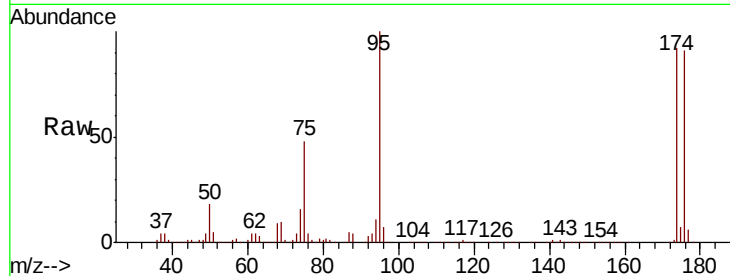
ClientSampleId :

SS050MW504-180814MS

Tot Ion:	95	Resp:	248379
Ion Ratio	Lower	Upper	
95	100		
174	91.0	0.0	182.8
176	88.9	0.0	179.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

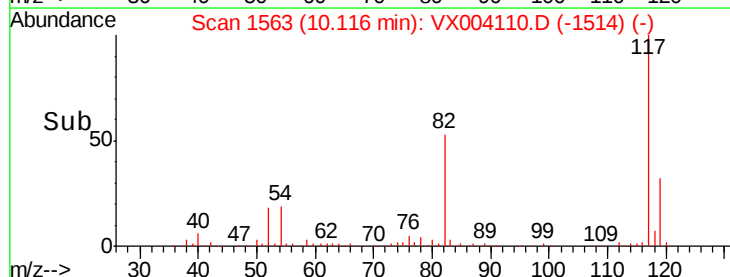
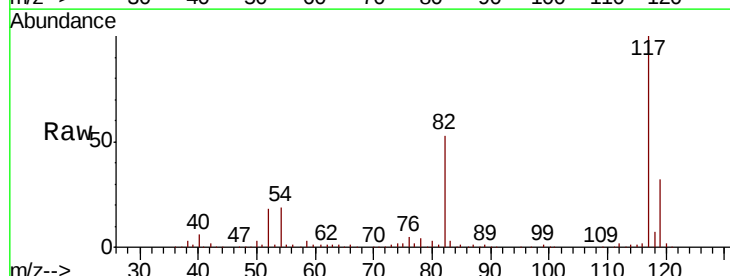
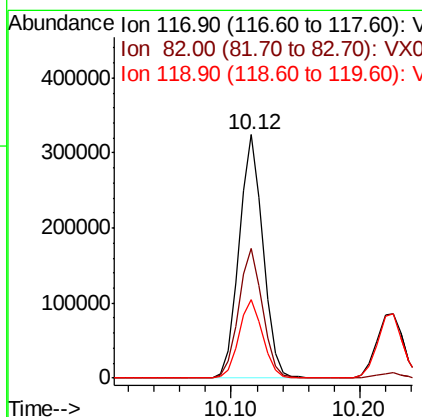
RT: 10.12 min Scan# 1563

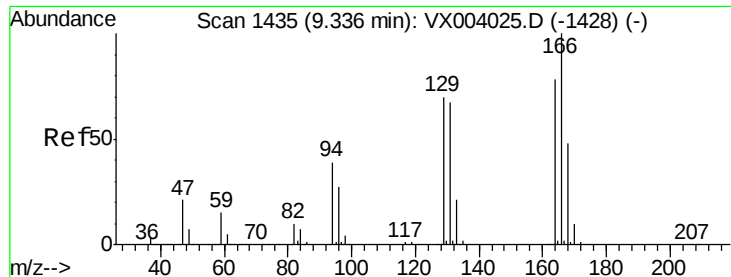
Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Tgt Ion:	117	Resp:	416884
Ion Ratio	Lower	Upper	
117	100		
82	53.4	45.4	68.0
119	32.0	26.6	40.0





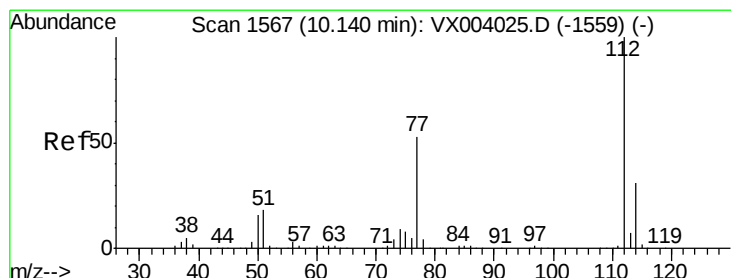
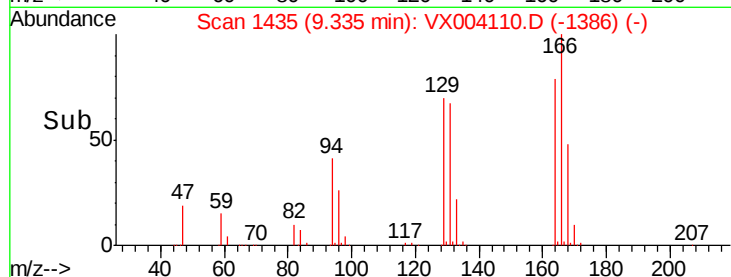
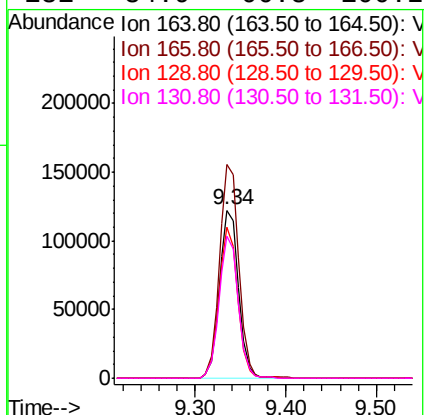
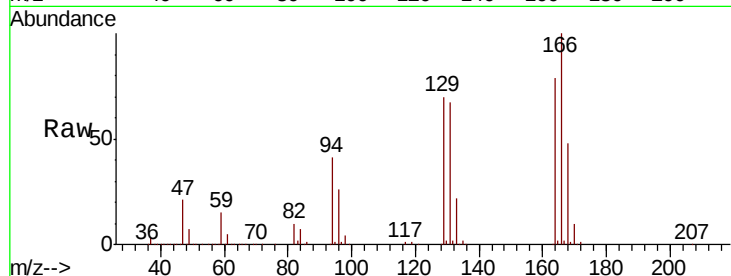
#64
Tetrachloroethene
Concen: 45.57 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.1	98.0	147.0	
129	89.6	64.3	96.5	
131	84.9	66.8	100.2	

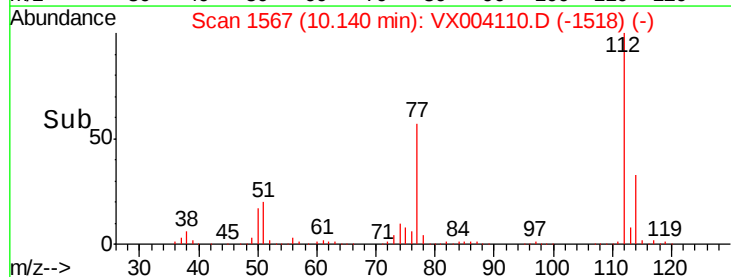
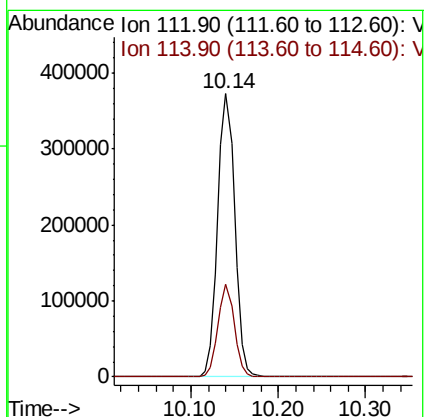
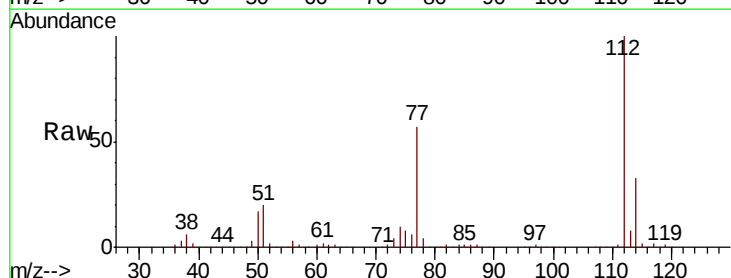
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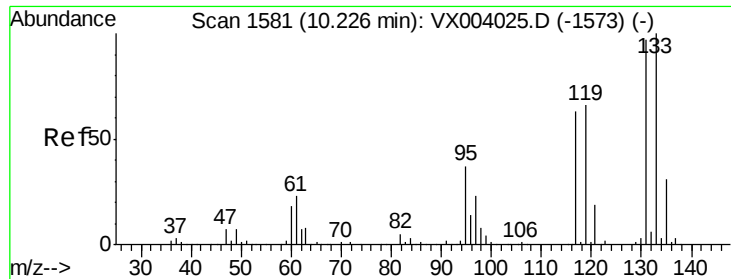
MMDadoda
8/16/2018 4:40:17 PM



#65
Chlorobenzene
Concen: 46.94 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.6	23.6	35.4	





#66

1,1,1,2-Tetrachloroethane

Concen: 48.99 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion:131 Resp: 179943

Ion Ratio Lower Upper

131 100

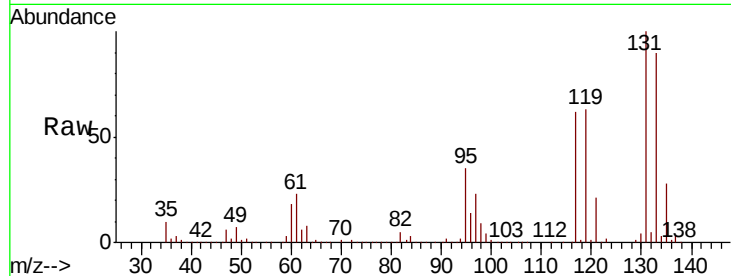
133 94.9 47.3 141.8

119 64.5 31.6 94.8

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8/16/2018 4:40:17 PM

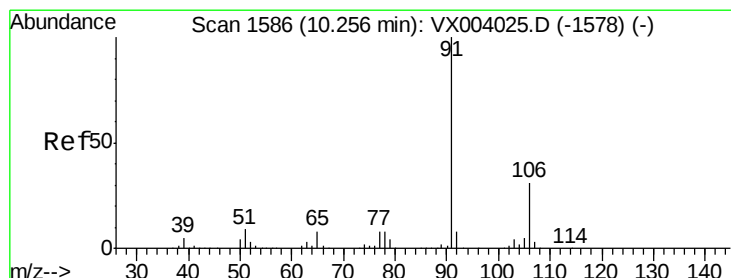
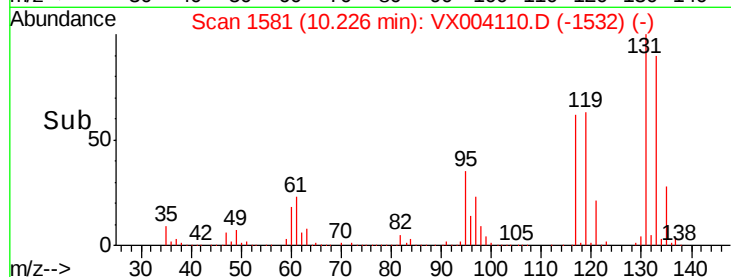
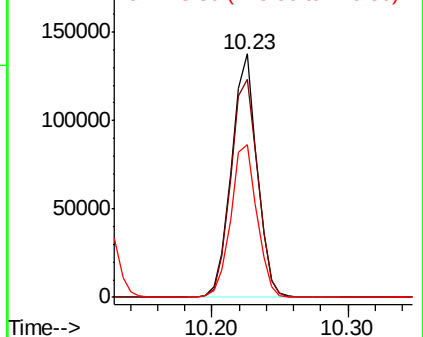


Abundance

Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 49.94 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004110.D

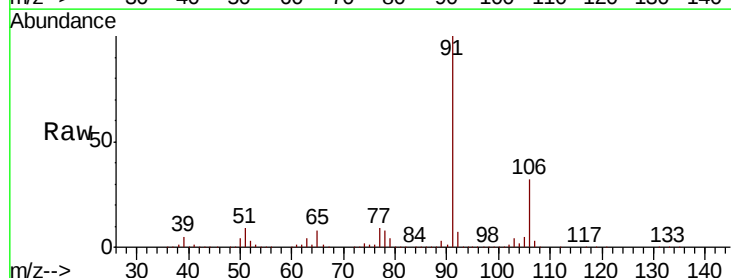
Acq: 16 Aug 2018 08:53

Tgt Ion: 91 Resp: 851524

Ion Ratio Lower Upper

91 100

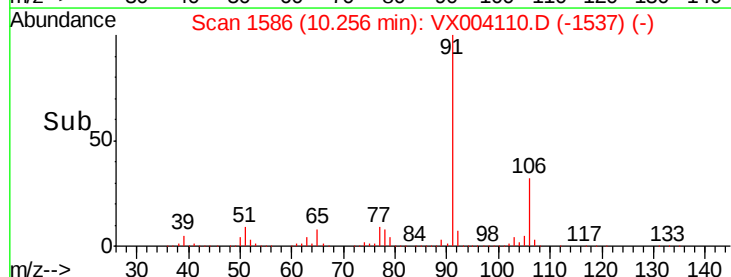
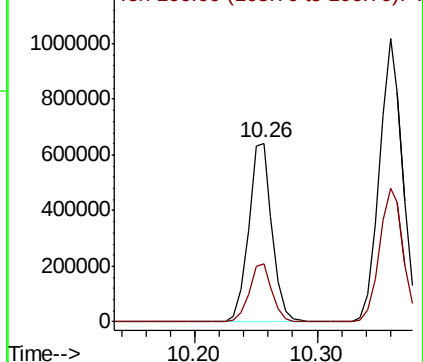
106 32.4 25.9 38.9

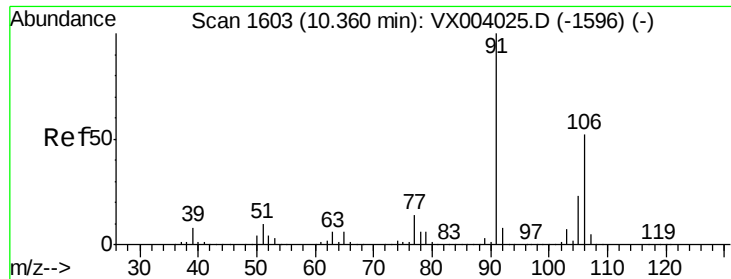


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





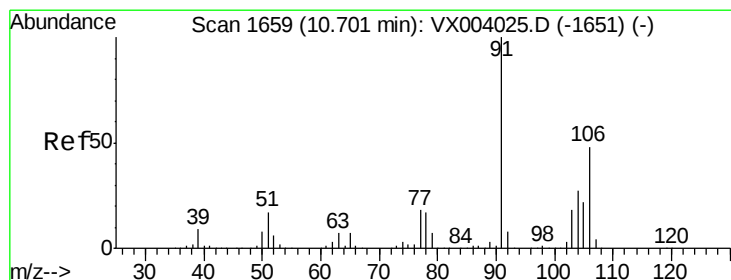
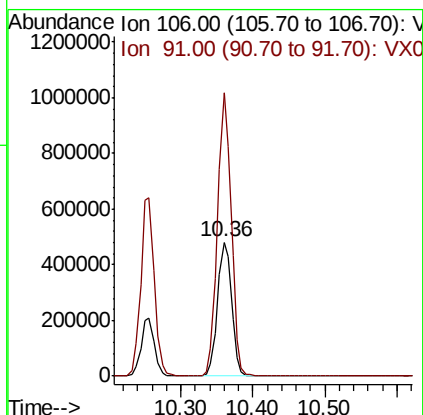
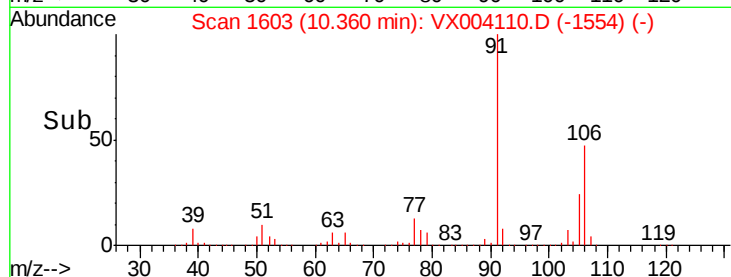
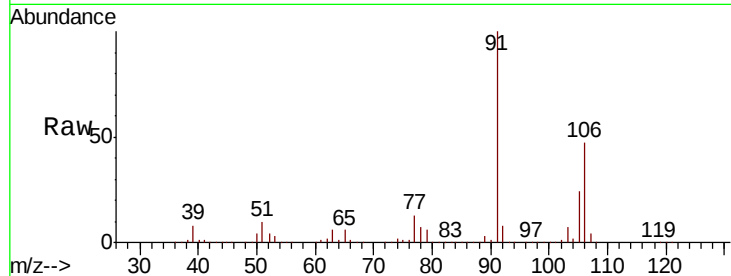
#68
m/p-Xylenes
Concen: 97.56 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion:106 Resp: 651483
Ion Ratio Lower Upper
106 100
91 206.1 162.3 243.5

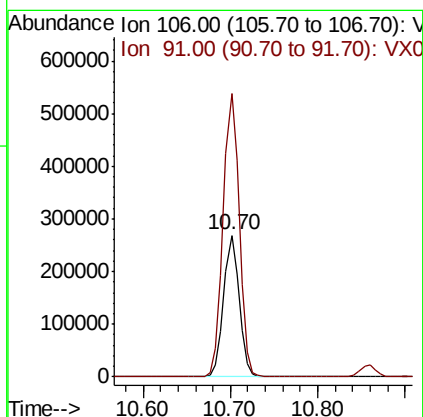
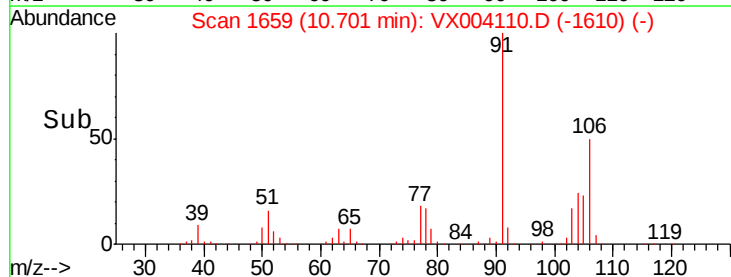
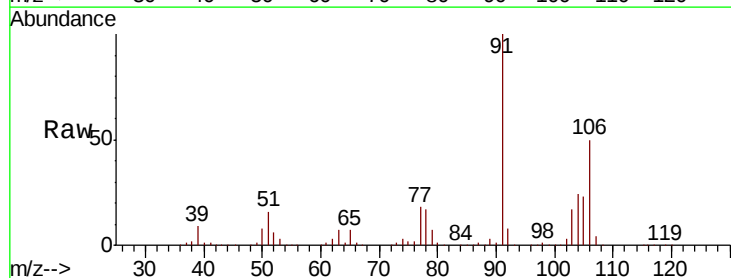
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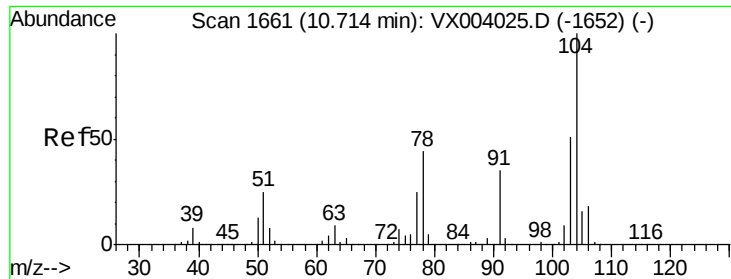
MMDadoda
8/16/2018 4:40:17 PM



#69
o-Xylene
Concen: 51.63 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion:106 Resp: 329514
Ion Ratio Lower Upper
106 100
91 207.8 101.9 305.7





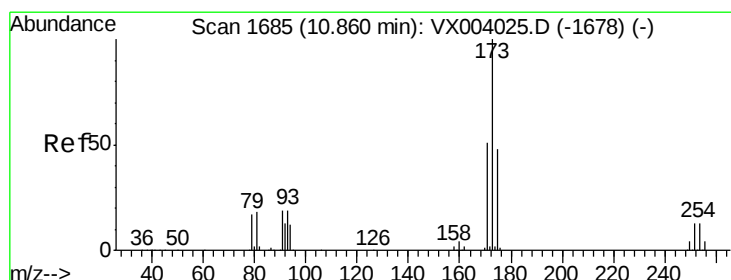
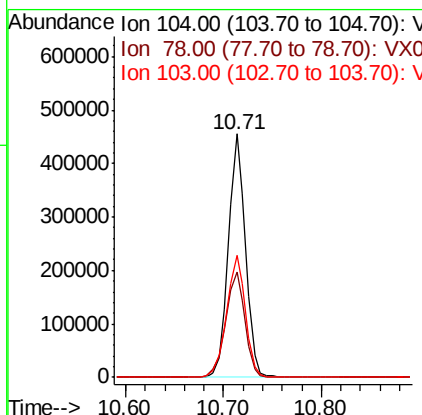
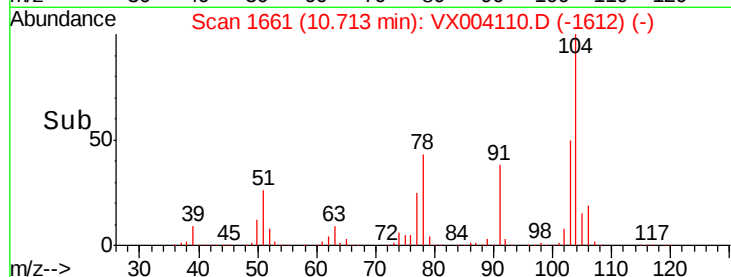
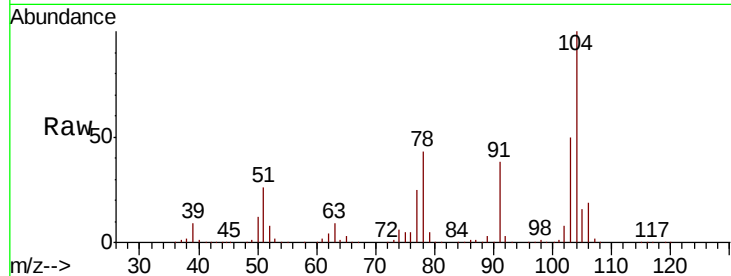
#70
Stvrene
Concen: 51.58 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.8	59.6
103	55.2	44.3	66.5

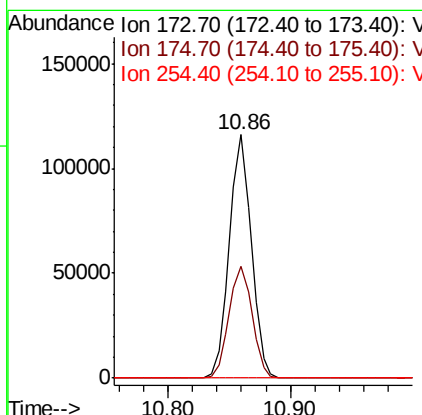
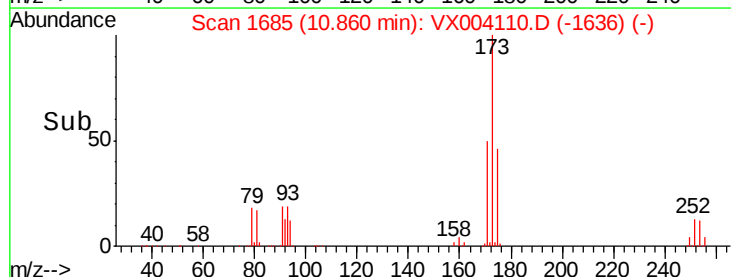
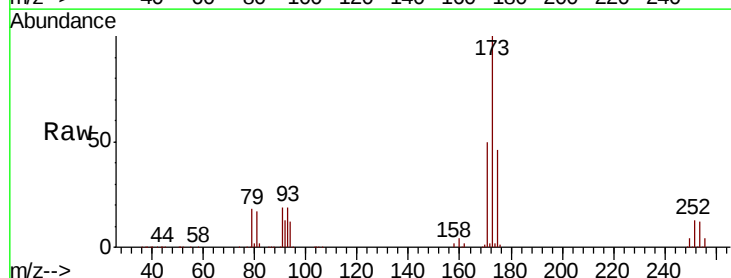
Manual Integrations
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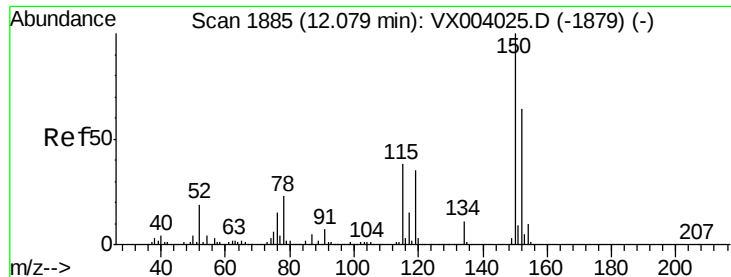
MMDadoda
8/16/2018 4:40:17 PM



#71
Bromoform
Concen: 49.51 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.7
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion:152 Resp: 258705

Ion Ratio Lower Upper

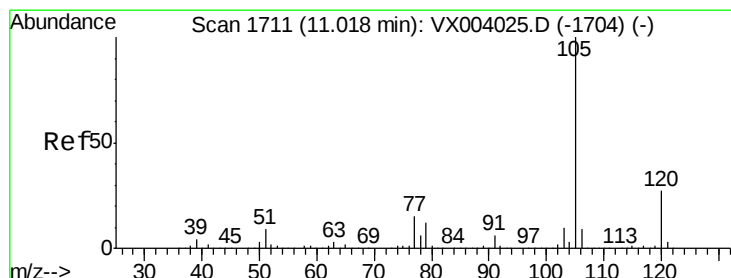
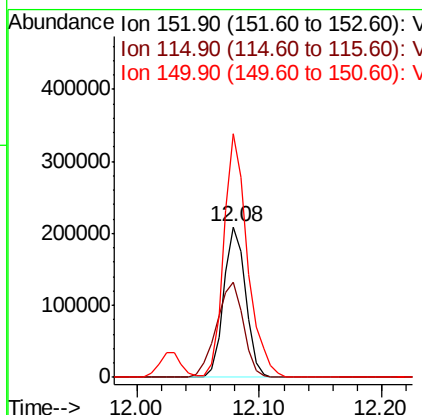
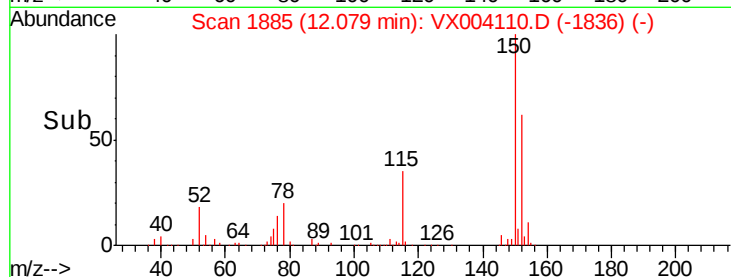
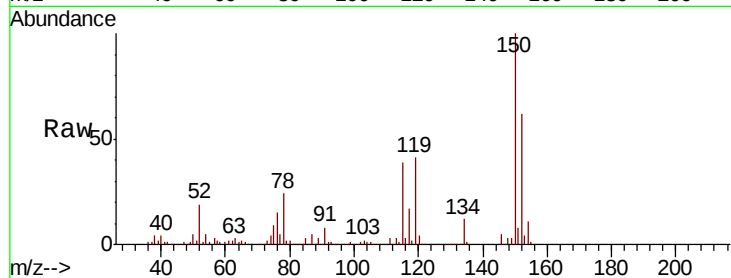
152 100

115 77.9 39.1 117.3

150 174.4 0.0 349.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 51.20 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004110.D

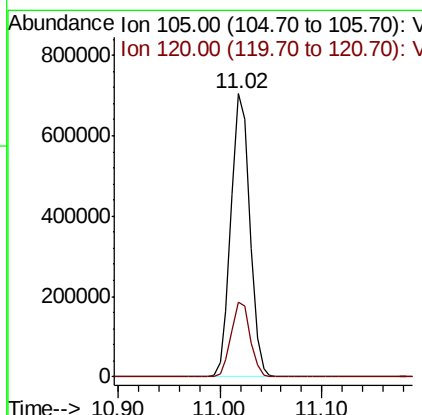
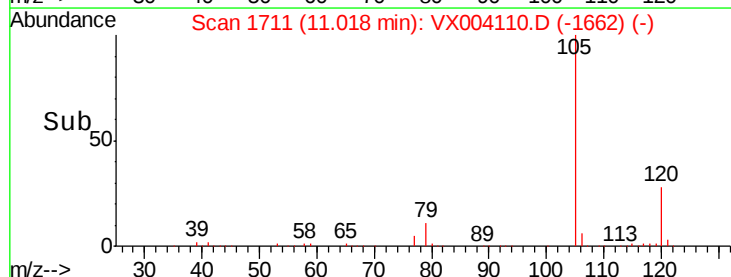
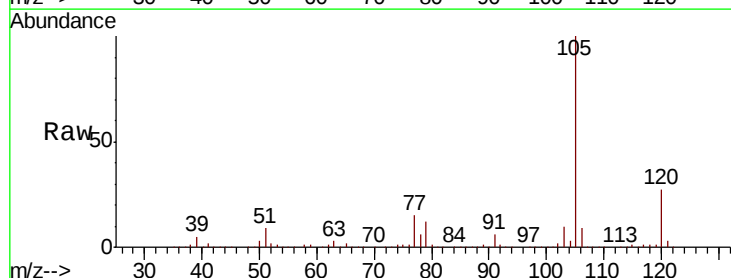
Acq: 16 Aug 2018 08:53

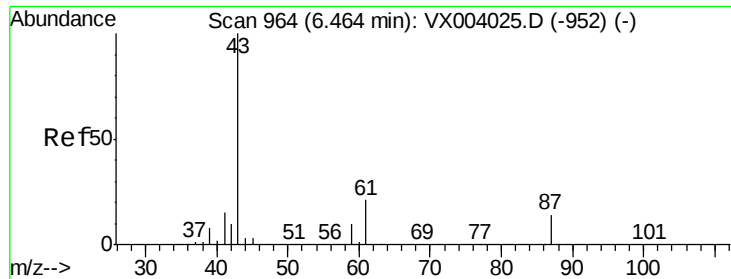
Tgt Ion:105 Resp: 896349

Ion Ratio Lower Upper

105 100

120 26.5 12.6 37.8





#74

N-amvl acetate

Concen: 46.78 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

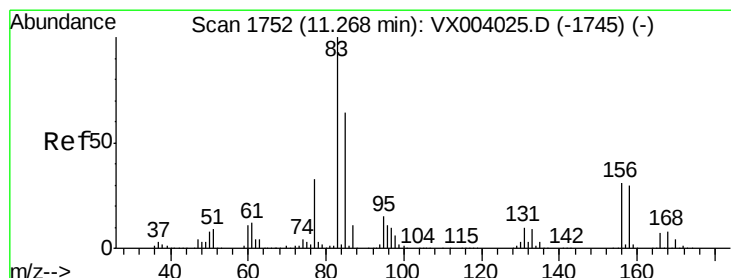
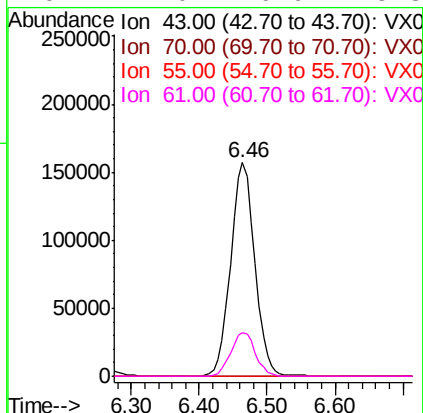
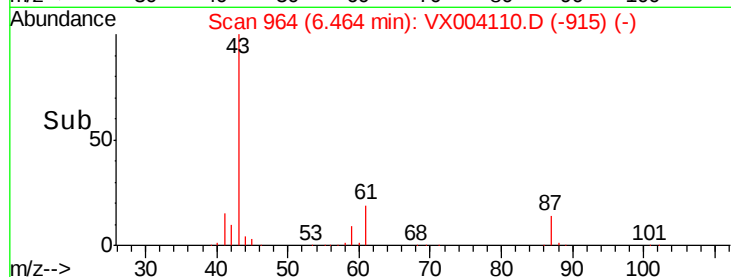
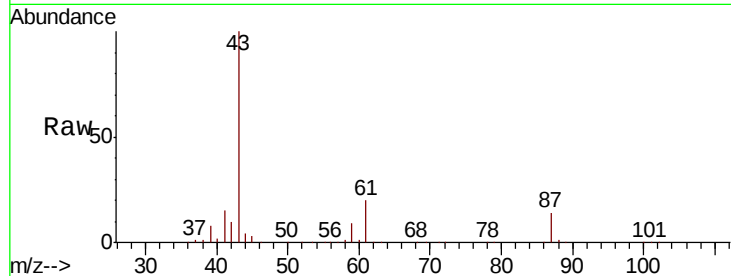
ClientSampleId :

SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.1	0.1	0.1
61	21.0	16.9	25.3

Manual Integrations
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8/16/2018 4:40:17 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 48.63 ug/l

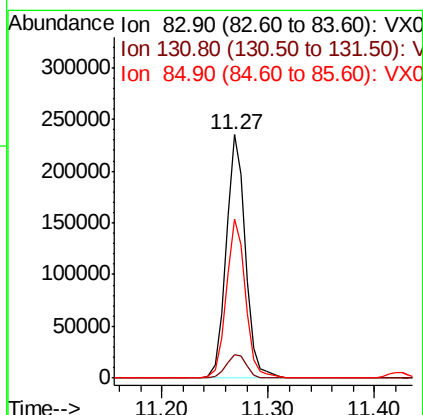
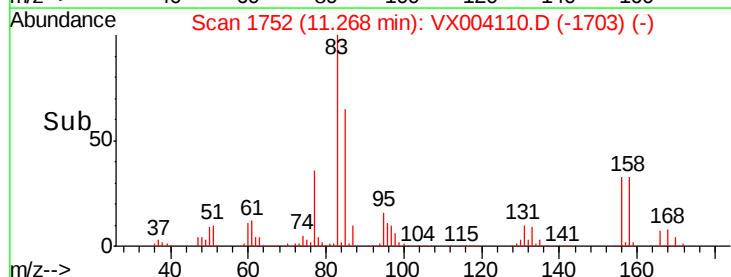
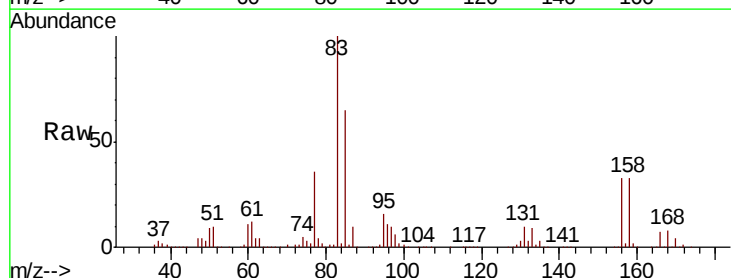
RT: 11.27 min Scan# 1752

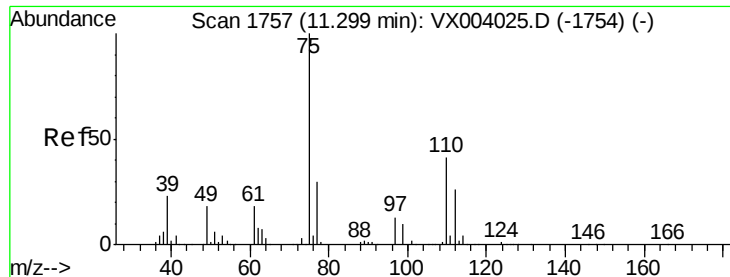
Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	65.0	32.2	96.6





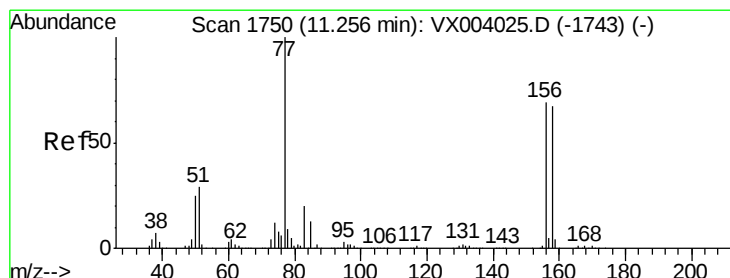
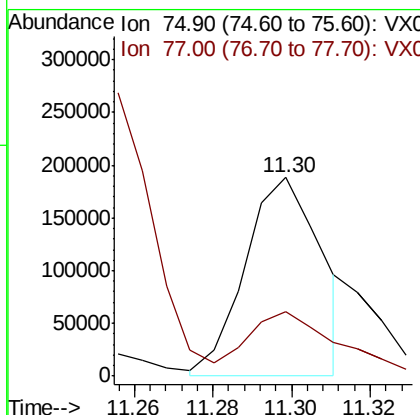
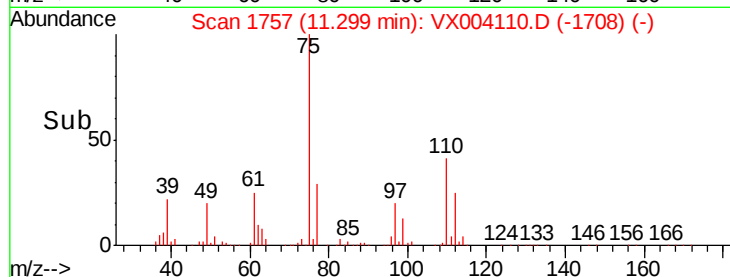
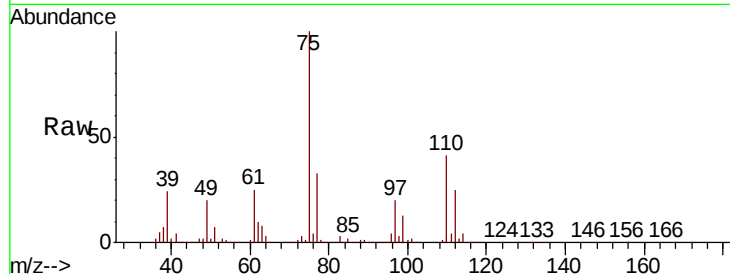
#76
 1,2,3-Trichloropropane
 Concen: 49.10 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion: 75 Resp: 254750
 Ion Ratio Lower Upper
 75 100
 77 39.0 20.8 62.5

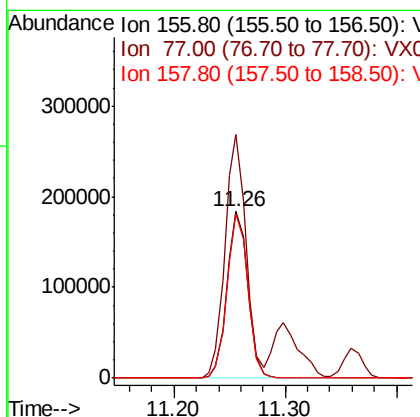
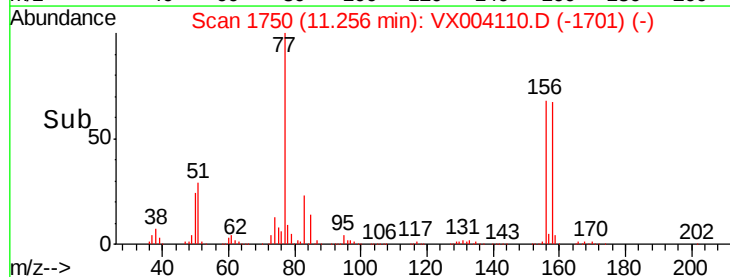
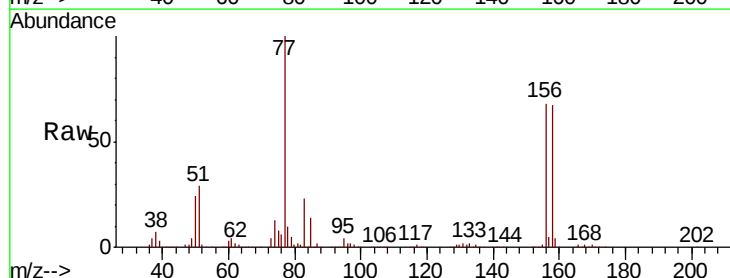
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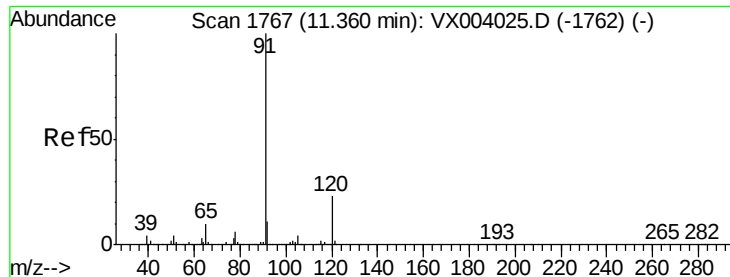
MMDadoda
 8/16/2018 4:40:17 PM



#77
 Bromobenzene
 Concen: 49.27 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion: 156 Resp: 237805
 Ion Ratio Lower Upper
 156 100
 77 146.7 74.1 222.2
 158 97.9 48.6 145.9





#78

n-propylbenzene

Concen: 51.91 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW504-180814MS

Tot Ion: 91 Resp: 1017121

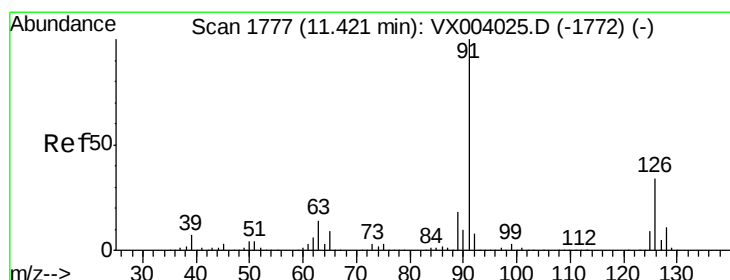
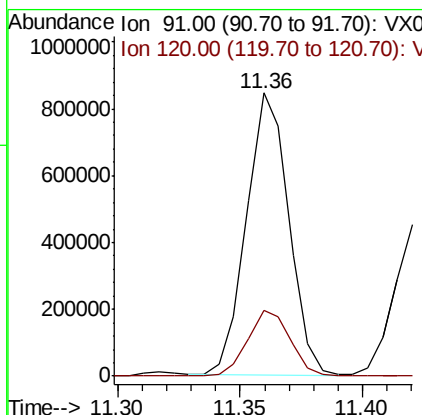
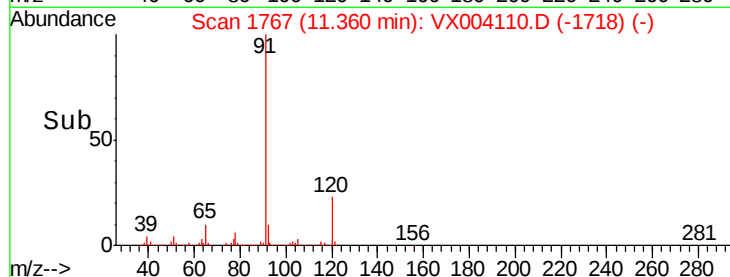
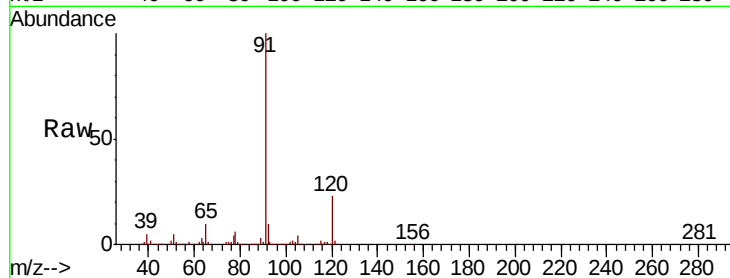
Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.5

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#79

2-Chlorotoluene

Concen: 47.55 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004110.D

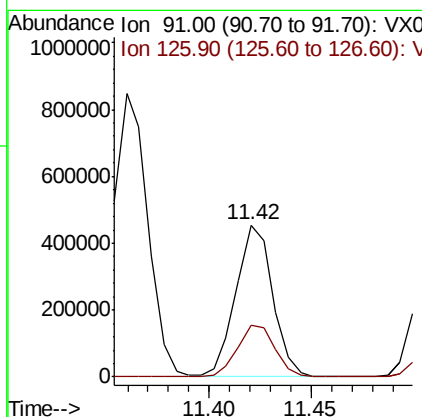
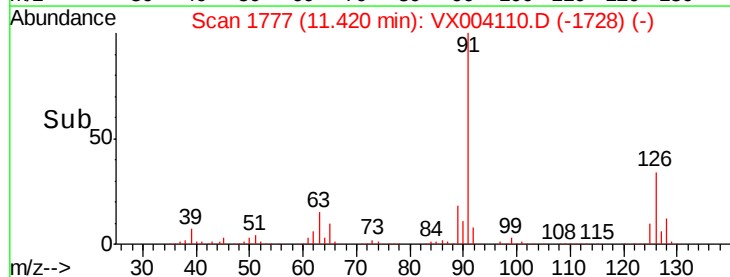
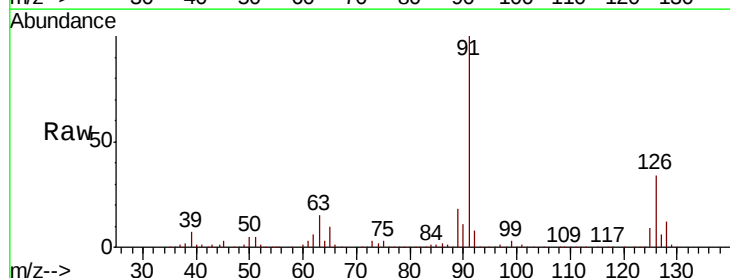
Acq: 16 Aug 2018 08:53

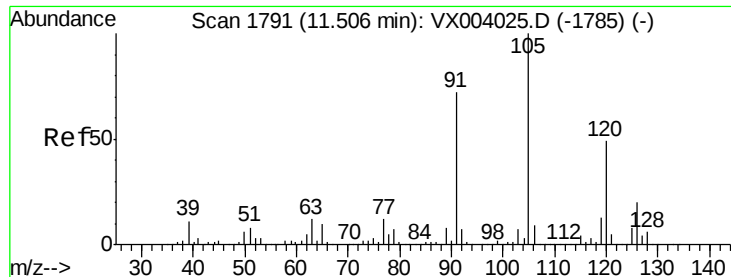
Tgt Ion: 91 Resp: 567772

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3





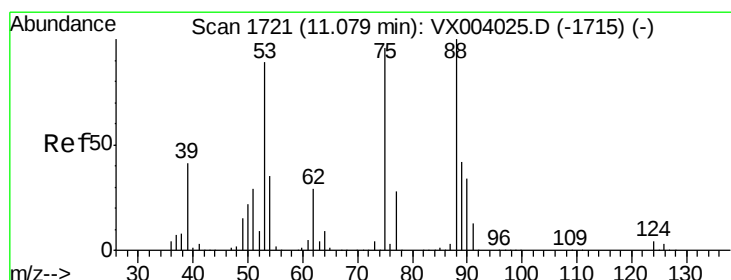
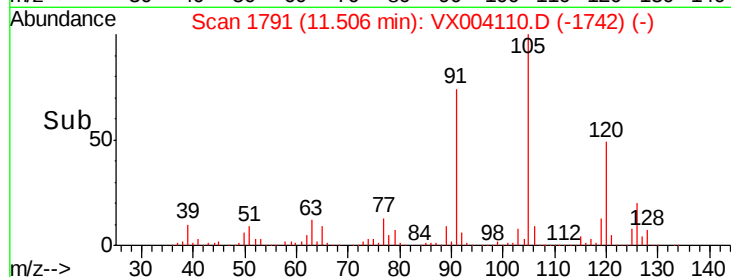
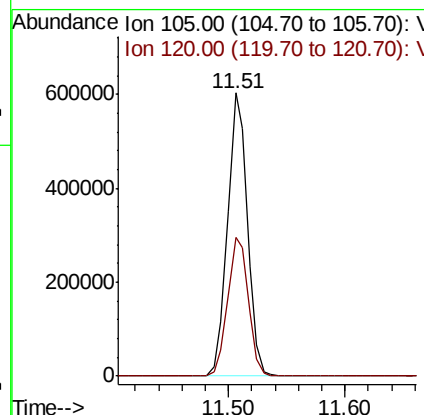
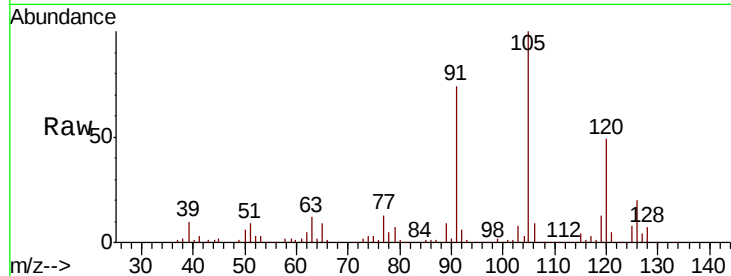
#80
 1,3,5-Trimethylbenzene
 Concen: 49.37 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion:105 Resp: 707797
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.2

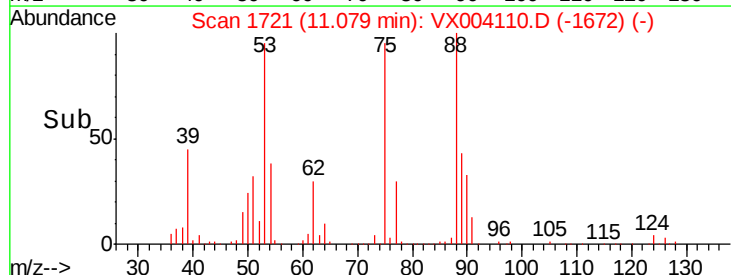
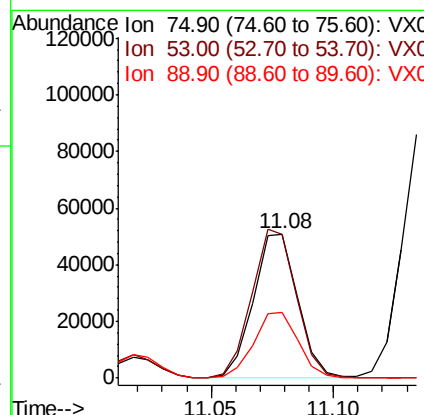
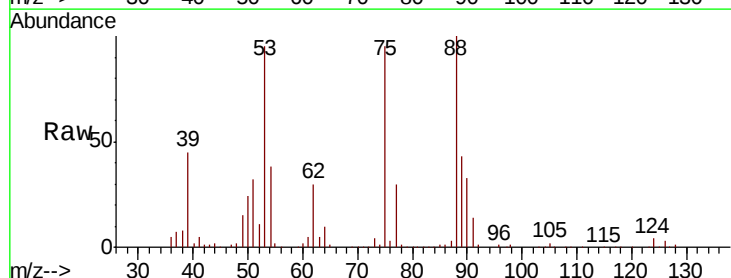
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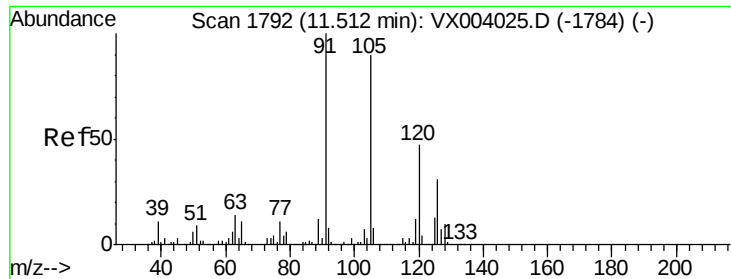
MMDadoda
 8/16/2018 4:40:17 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 38.29 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion: 75 Resp: 64171
 Ion Ratio Lower Upper
 75 100
 53 103.7 80.3 120.5
 89 46.3 37.8 56.8





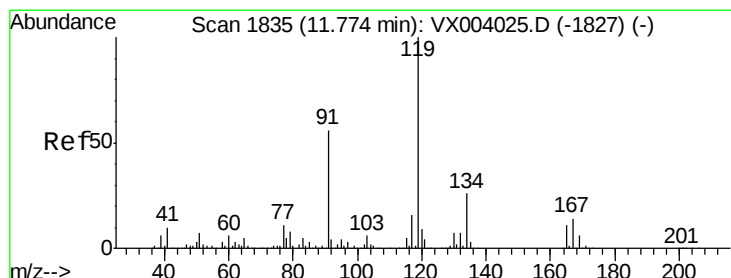
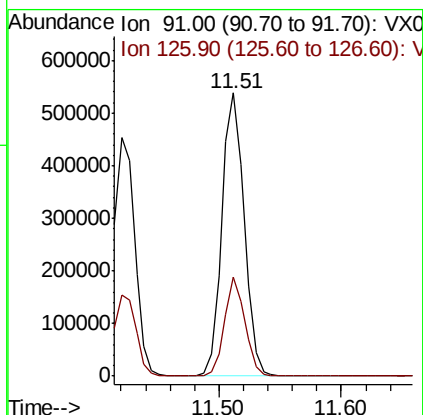
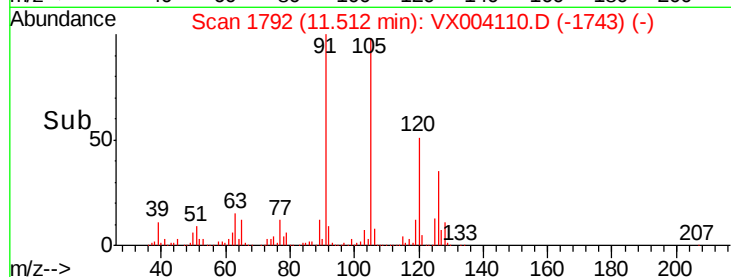
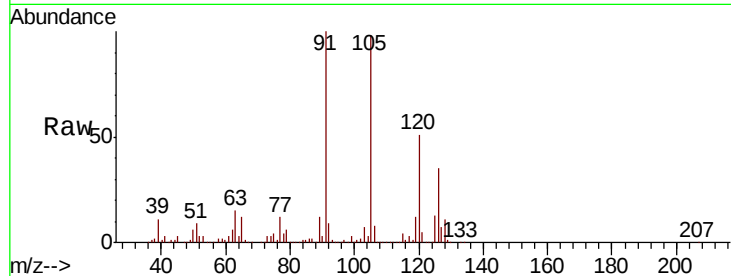
#82
4-Chlorotoluene
Concen: 48.05 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.6	46.7

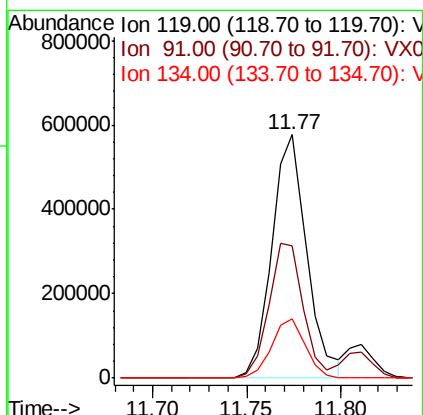
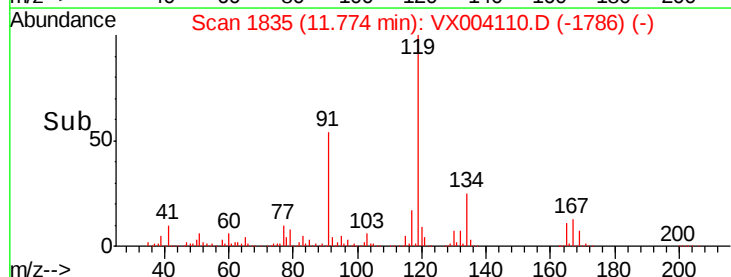
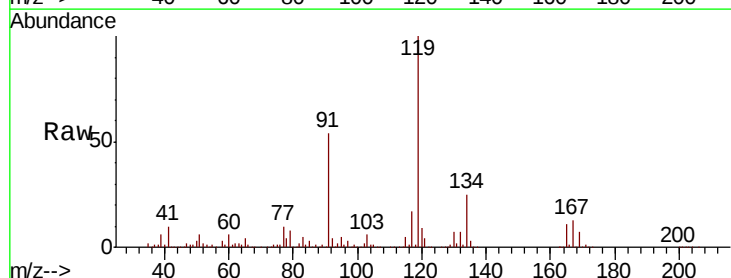
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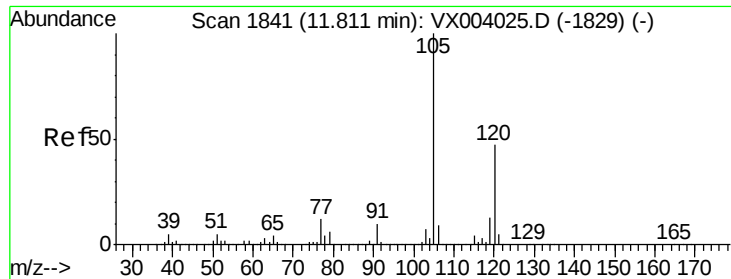
MMDadoda
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#83
tert-Butylbenzene
Concen: 51.10 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
119	100		
91	54.3	26.9	80.7
134	23.9	12.0	36.0





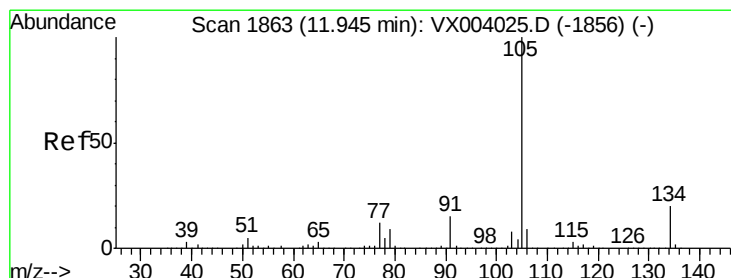
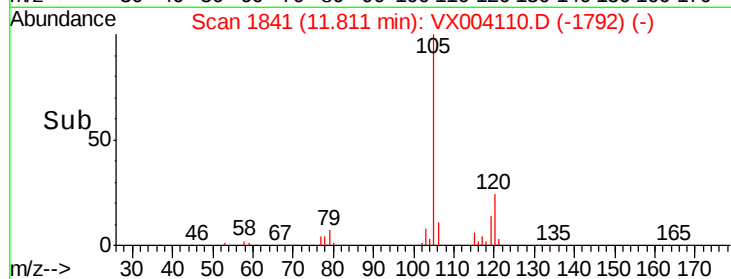
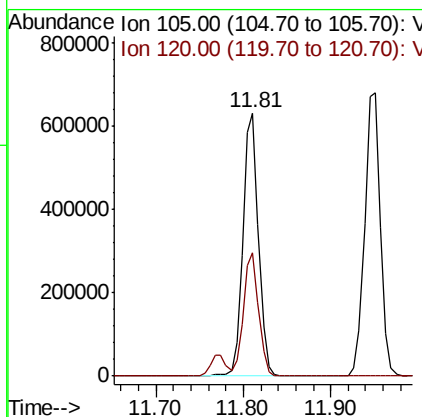
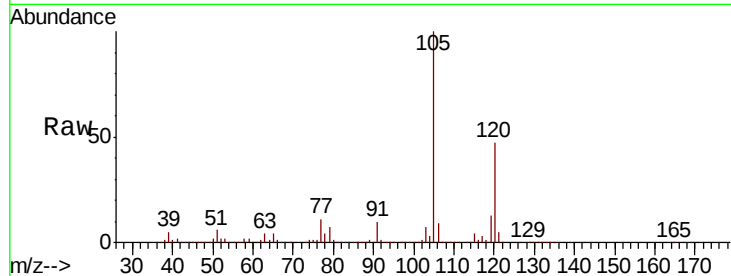
#84
1,2,4-Trimethylbenzene
Concen: 52.30 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2

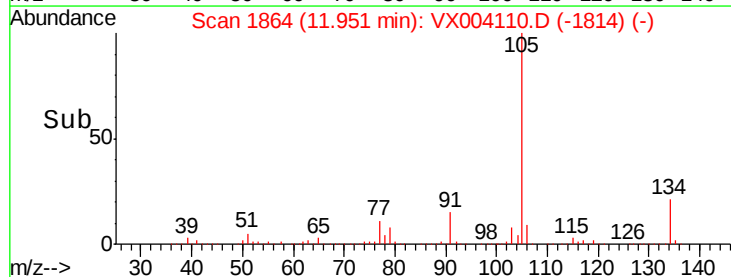
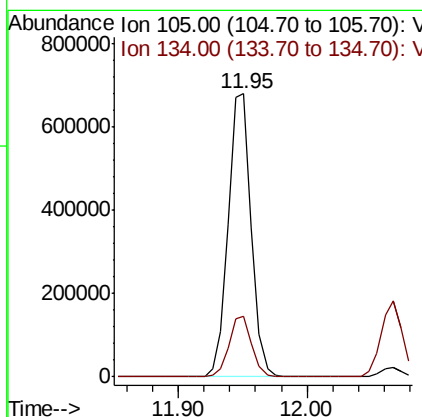
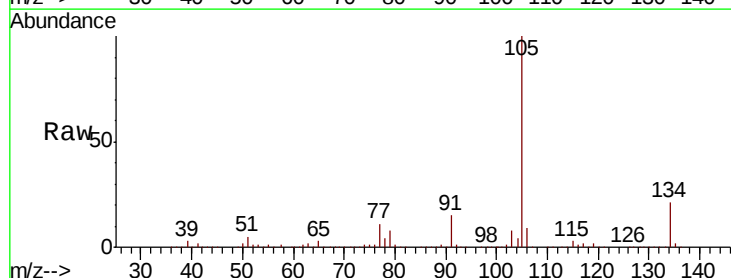
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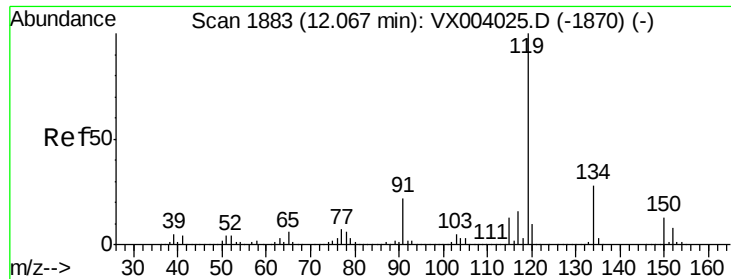
MMDadoda
8/16/2018 4:40:17 PM



#85
sec-Butylbenzene
Concen: 50.40 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. 0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.9





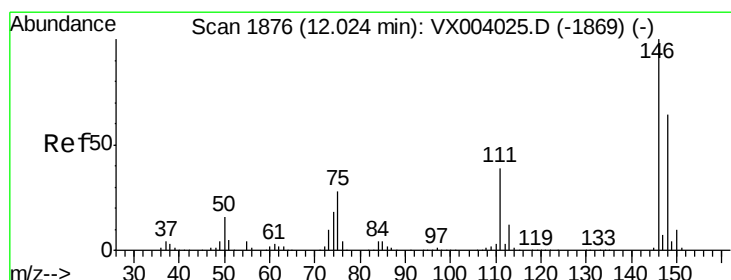
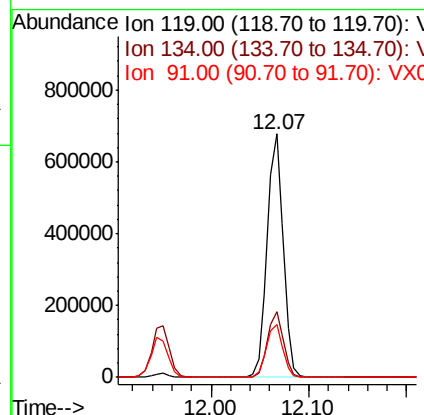
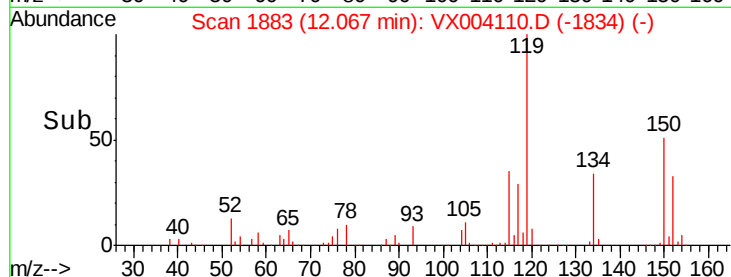
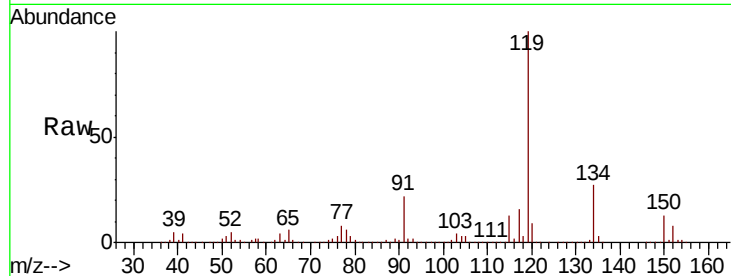
#86
 p-Isopropyltoluene
 Concen: 50.93 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	22.0	10.9	32.7

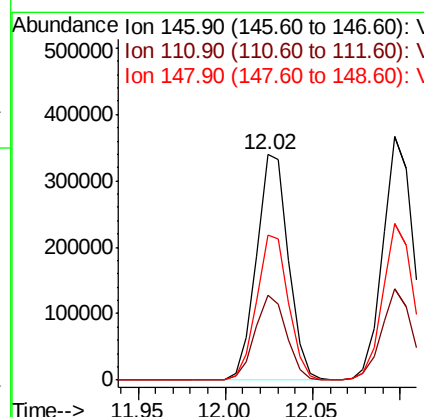
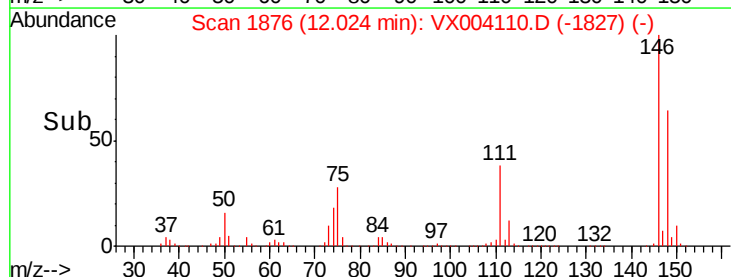
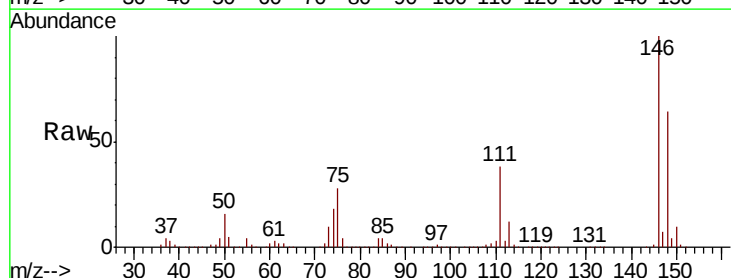
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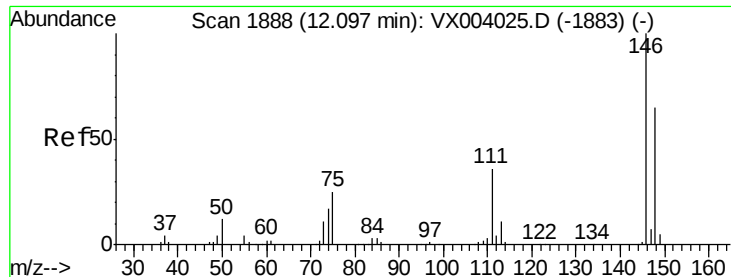
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#87
 1,3-Dichlorobenzene
 Concen: 46.96 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	64.0	31.9	95.5





#88

1,4-Dichlorobenzene

Concen: 46.82 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

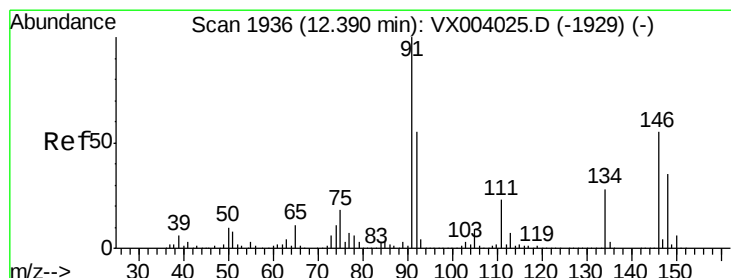
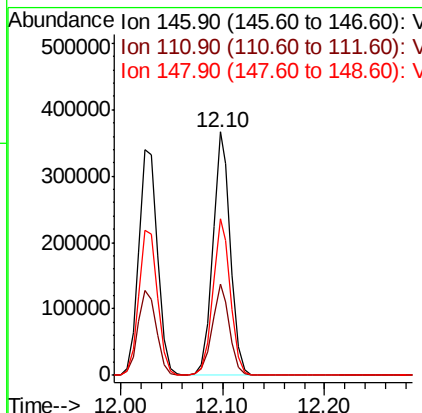
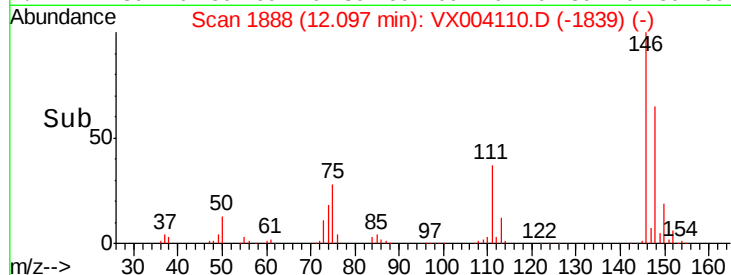
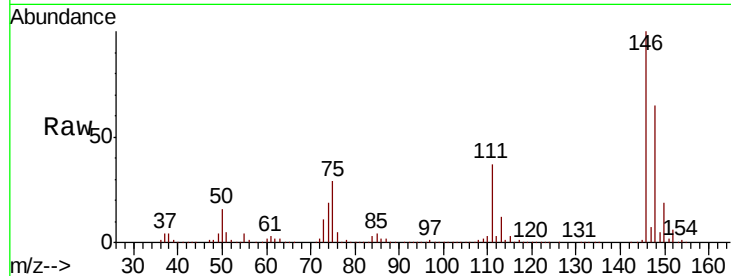
ClientSampleId :

SS050MW504-180814MS

Tot Ion:	146	Resp:	443589
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.4	55.0
148	64.6	32.3	96.8

Manual Integrations
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#89

n-Butylbenzene

Concen: 49.26 ug/l

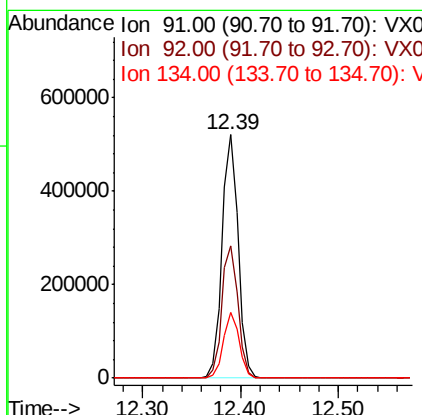
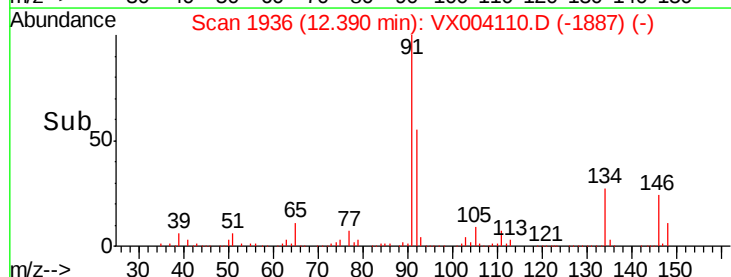
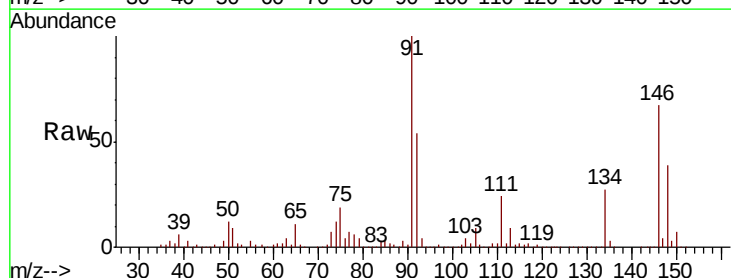
RT: 12.39 min Scan# 1936

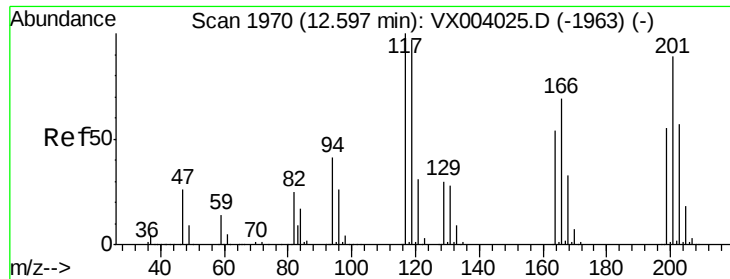
Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Tgt Ion:	91	Resp:	594420
Ion Ratio	Lower	Upper	
91	100		
92	54.6	27.1	81.3
134	26.3	13.6	40.7





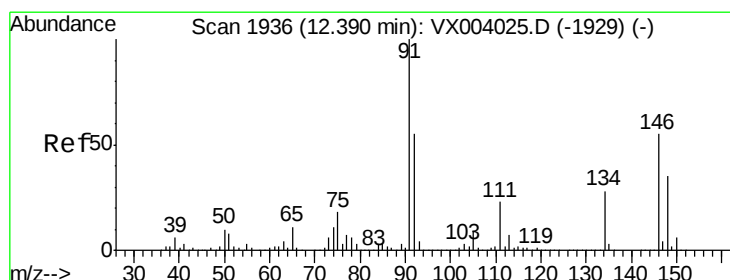
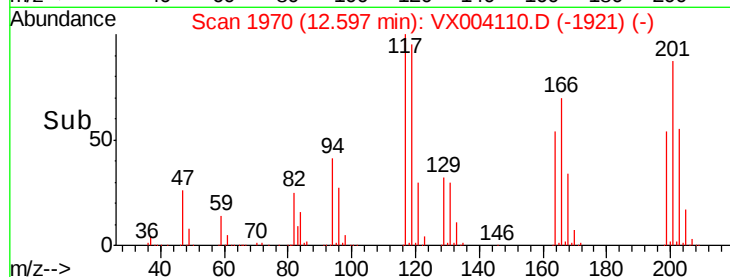
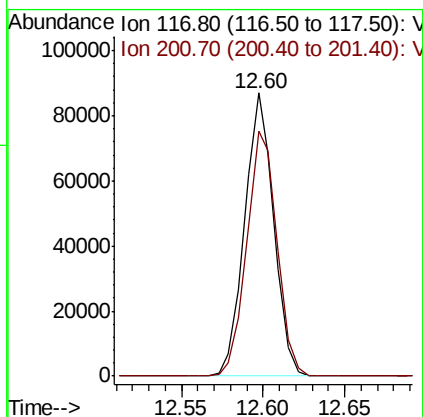
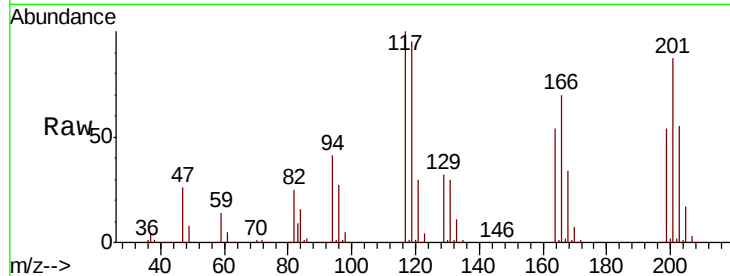
#90
Hexachloroethane
Concen: 47.17 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW504-180814MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	108081		
201	89.7	46.1	138.2	

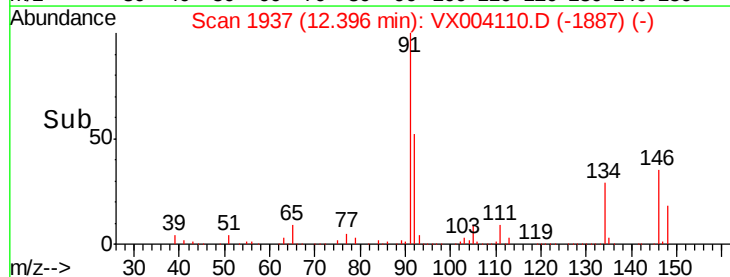
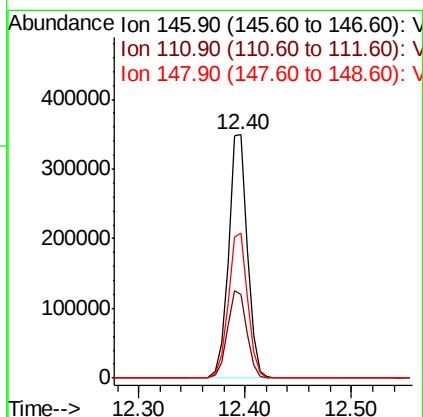
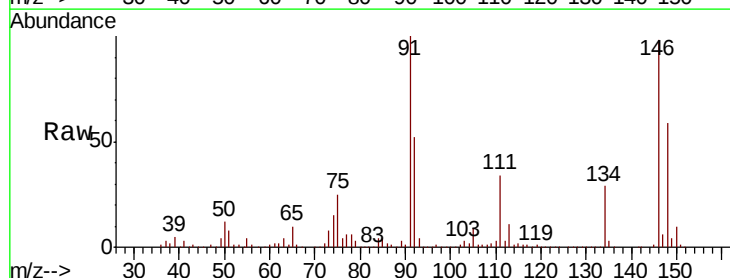
Manual Integrations
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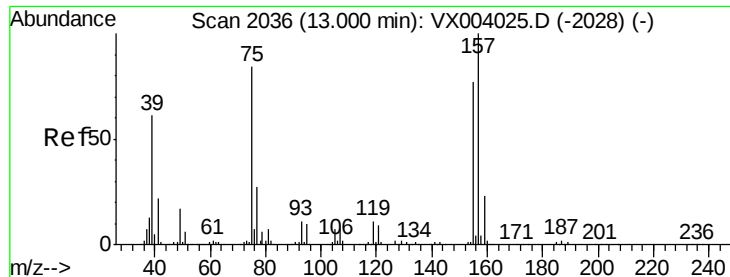
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 52.03 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX004110.D
Acq: 16 Aug 2018 08:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	431907		
111	37.0	19.7	59.0	
148	61.3	31.9	95.5	





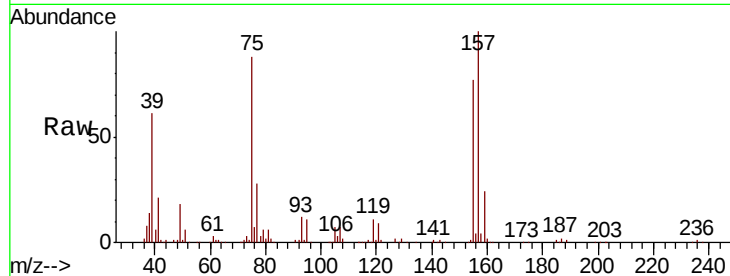
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.56 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	96.9	48.7	146.1
157	122.4	62.6	187.8

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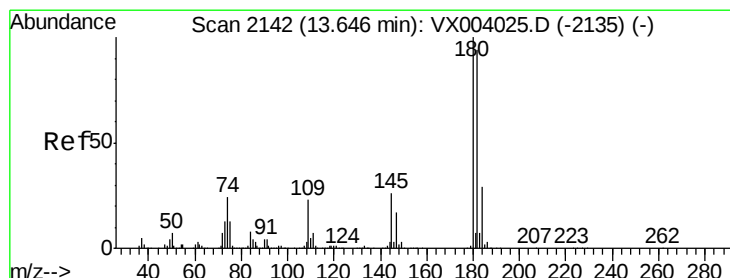
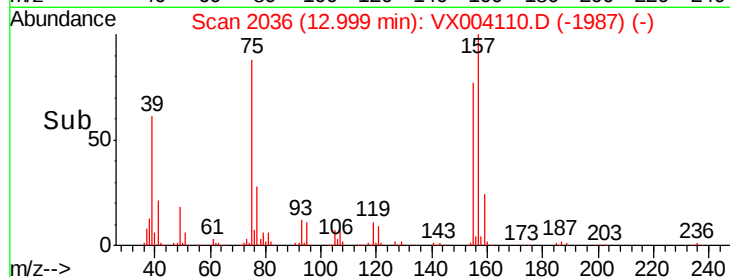
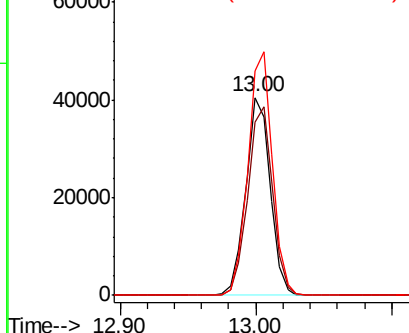
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Abundance Ion 74.90 (74.60 to 75.60): VX004025.D (-2028) (-)

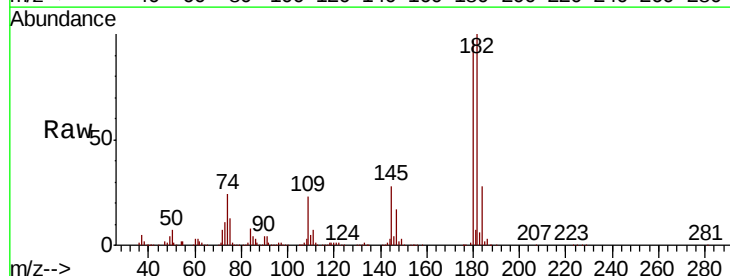
Ion 154.80 (154.50 to 155.50): VX004025.D (-2028) (-)

Ion 156.80 (156.50 to 157.50): VX004025.D (-2028) (-)



#93
 1,2,4-Trichlorobenzene
 Concen: 47.67 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

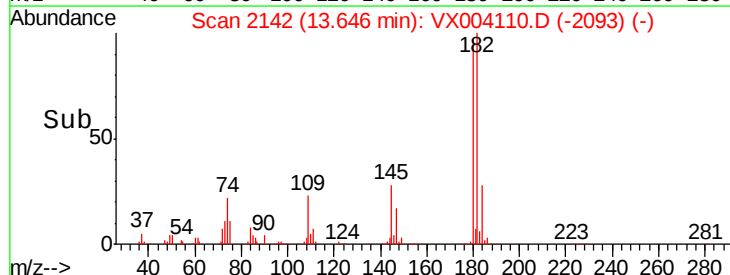
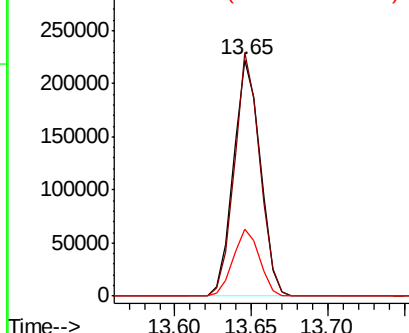
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.7	143.1
145	28.0	13.9	41.6

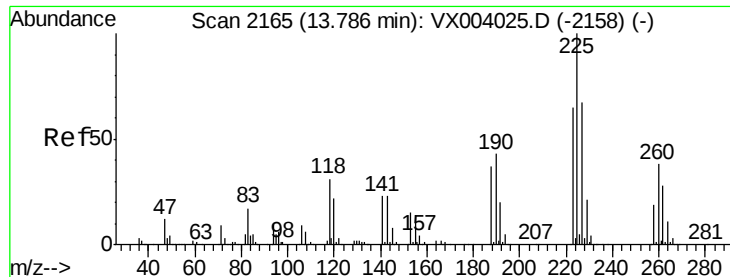


Abundance Ion 179.80 (179.50 to 180.50): VX004025.D (-2135) (-)

Ion 181.80 (181.50 to 182.50): VX004025.D (-2135) (-)

Ion 144.80 (144.50 to 145.50): VX004025.D (-2135) (-)





#94

Hexachlorobutadiene

Concen: 44.30 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Instrument :

MSVOA_X

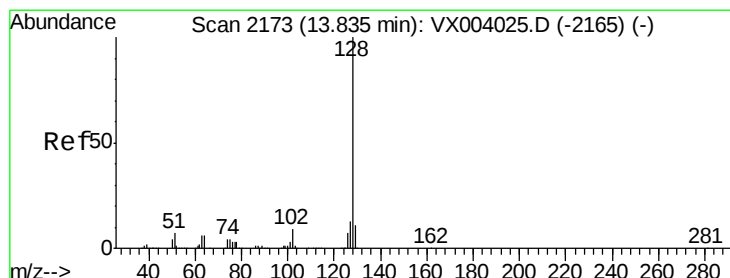
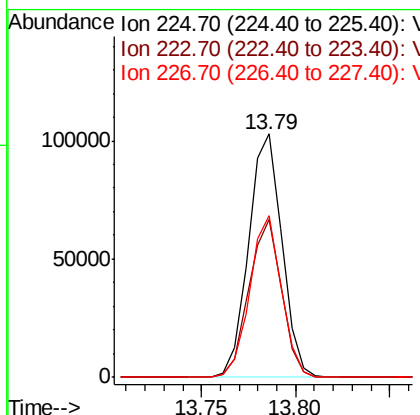
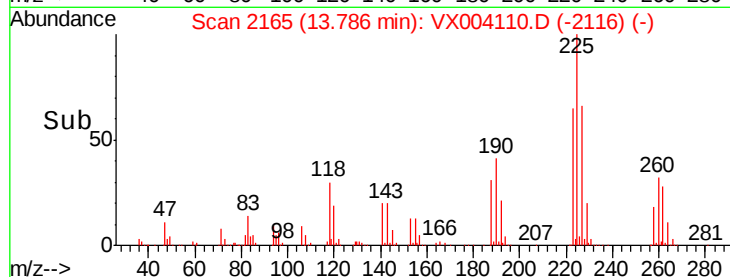
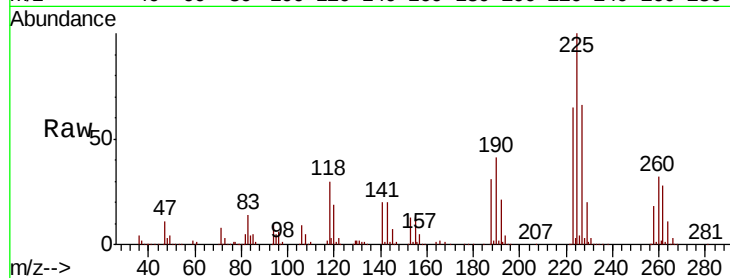
ClientSampleId :

SS050MW504-180814MS

Tot Ion:	225	Resp:	126015
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.4	94.0
227	63.2	32.1	96.5

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#95

Naphthalene

Concen: 49.84 ug/l

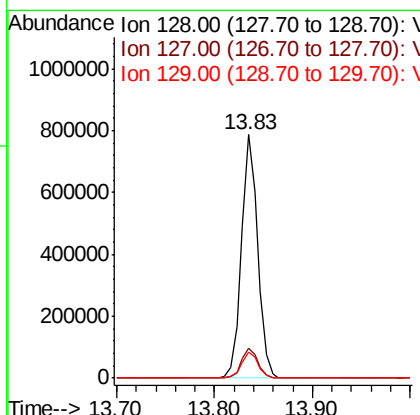
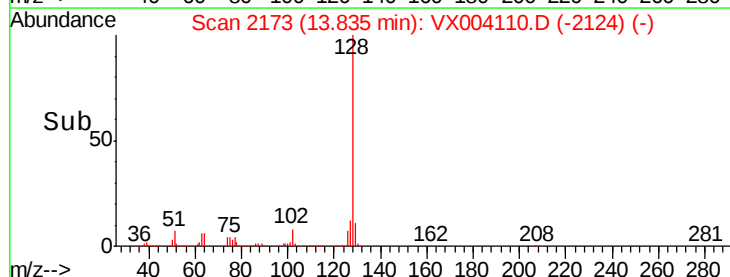
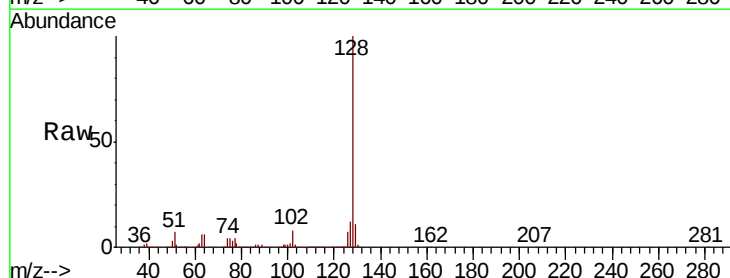
RT: 13.83 min Scan# 2173

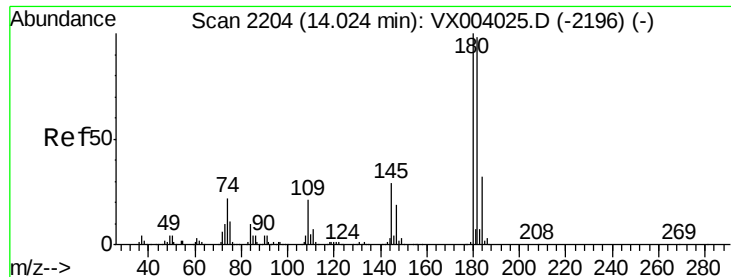
Delta R.T. 0.00 min

Lab File: VX004110.D

Acq: 16 Aug 2018 08:53

Tgt Ion:	128	Resp:	901456
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.2
129	10.8	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 49.37 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004110.D
 Acq: 16 Aug 2018 08:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW504-180814MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.4	48.1	144.4
145	29.0	14.9	44.7

Manual Integrations
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