

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004076.D
 Acq On : 15 Aug 2018 16:54
 Operator : JC/MD
 Sample : VX0815WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:39:15 PM

Quant Time: Aug 16 06:36:34 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	307318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	452373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245503	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	215579	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	5.50	113	172875	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	8.72	98	686356	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	246214	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	61647	20.61	ug/l	99
3) Chloromethane	1.32	50	73266	19.96	ug/l	100
4) Vinyl Chloride	1.40	62	80198	20.19	ug/l	99
5) Bromomethane	1.64	94	45873	22.69	ug/l	99
6) Chloroethane	1.72	64	57181	20.85	ug/l	97
7) Trichlorofluoromethane	1.93	101	111190	19.96	ug/l	97
8) Diethyl Ether	2.18	74	47786	19.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68332	19.66	ug/l	99
10) Methyl Iodide	2.51	142	67980	21.49	ug/l	99
11) Tert butyl alcohol	3.05	59	95553	109.59	ug/l	98
12) 1,1-Dichloroethene	2.37	96	64272	19.88	ug/l	99
13) Acrolein	2.29	56	54979	99.81	ug/l	100
14) Allyl chloride	2.73	41	122237	19.87	ug/l	97
15) Acrylonitrile	3.14	53	227820	104.79	ug/l	99
16) Acetone	2.44	43	238844	106.09	ug/l	99
17) Carbon Disulfide	2.57	76	171832	18.74	ug/l	100
18) Methyl Acetate	2.77	43	107899	21.57	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	227359	19.96	ug/l	99
20) Methylene Chloride	2.86	84	77362	20.67	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	71081	19.36	ug/l	97
22) Diisopropyl ether	3.87	45	240047	19.91	ug/l	98
23) Vinyl Acetate	3.82	43	1017440	102.77	ug/l	99
24) 1,1-Dichloroethane	3.70	63	136671	20.02	ug/l	100
25) 2-Butanone	4.70	43	390447	106.59	ug/l	99
26) 2,2-Dichloropropane	4.59	77	102192	18.83	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	81176	19.66	ug/l	97
28) Bromochloromethane	5.02	49	65246	20.83	ug/l	94
29) Tetrahydrofuran	5.16	42	194306	103.83	ug/l	98
30) Chloroform	5.21	83	132105	19.83	ug/l	97
31) Cyclohexane	5.57	56	114717	19.17	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	112353	20.18	ug/l	99
36) 1,1-Dichloropropene	5.80	75	100456	19.51	ug/l	99
37) Ethyl Acetate	4.85	43	116434	20.77	ug/l	99
38) Carbon Tetrachloride	5.78	117	97070	19.41	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	112774	19.31	ug/l	98
40) Benzene	6.15	78	310590	20.09	ug/l	99
41) Methacrylonitrile	5.06	41	62774	19.99	ug/l	99
42) 1,2-Dichloroethane	6.20	62	108655	20.08	ug/l	99
43) Isopropyl Acetate	6.46	43	165472	20.03	ug/l	100
44) Trichloroethene	7.21	130	82003	19.54	ug/l	93
45) 1,2-Dichloropropane	7.52	63	79326	20.05	ug/l	100
46) Dibromomethane	7.67	93	51675	19.98	ug/l	99
47) Bromodichloromethane	7.90	83	95346	19.47	ug/l	99
48) Methyl methacrylate	7.78	41	85660	20.59	ug/l	99
49) 1,4-Dioxane	7.76	88	41018	438.01	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	736923	108.77	ug/l	99
52) Toluene	8.79	92	199061	20.36	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	104374	19.73	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	116965	19.96	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	80385	19.91	ug/l	99
56) Ethyl methacrylate	9.18	69	110115	20.06	ug/l	99
57) 1,3-Dichloropropane	9.37	76	136008	20.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	304769	109.03	ug/l	99
59) 2-Hexanone	9.50	43	559975	109.82	ug/l	99
60) Dibromochloromethane	9.59	129	75822	19.52	ug/l	99
61) 1,2-Dibromoethane	9.68	107	83545	20.30	ug/l	98
64) Tetrachloroethene	9.34	164	80572	19.55	ug/l	95
65) Chlorobenzene	10.14	112	220034	19.59	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	75789	19.79	ug/l	99
67) Ethyl Benzene	10.26	91	362922	20.41	ug/l	99
68) m/p-Xylenes	10.36	106	287413	41.27	ug/l	97
69) o-Xylene	10.70	106	134283	20.18	ug/l	94
70) Styrene	10.71	104	228114	20.37	ug/l	98
71) Bromoform	10.86	173	55934	18.42	ug/l	99
73) Isopropylbenzene	11.02	105	364693	21.95	ug/l	96
74) N-amyl acetate	6.46	43	165472	21.18	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	125612	21.65	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	112983m	22.95	ug/l	
77) Bromobenzene	11.26	156	97705	21.33	ug/l	99
78) n-propylbenzene	11.36	91	424423	22.83	ug/l	99
79) 2-Chlorotoluene	11.42	91	252408	22.28	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	304985	22.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32457	20.41	ug/l	95
82) 4-Chlorotoluene	11.51	91	296649	22.15	ug/l	100
83) tert-Butylbenzene	11.77	119	292044	21.29	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	316549	22.47	ug/l	99
85) sec-Butylbenzene	11.94	105	355374	22.14	ug/l	100
86) p-Isopropyltoluene	12.07	119	315590	21.72	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	176402	20.20	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	174061	19.36	ug/l	98
89) n-Butylbenzene	12.39	91	233983	20.43	ug/l	98
90) Hexachloroethane	12.60	117	44541	20.48	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	157295	19.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21186	20.78	ug/l	99

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Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	109335	20.30	ug/l	97
94) Hexachlorobutadiene	13.79	225	57470	21.29	ug/l	97
95) Naphthalene	13.83	128	373845	22.42	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126133	21.48	ug/l	100

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

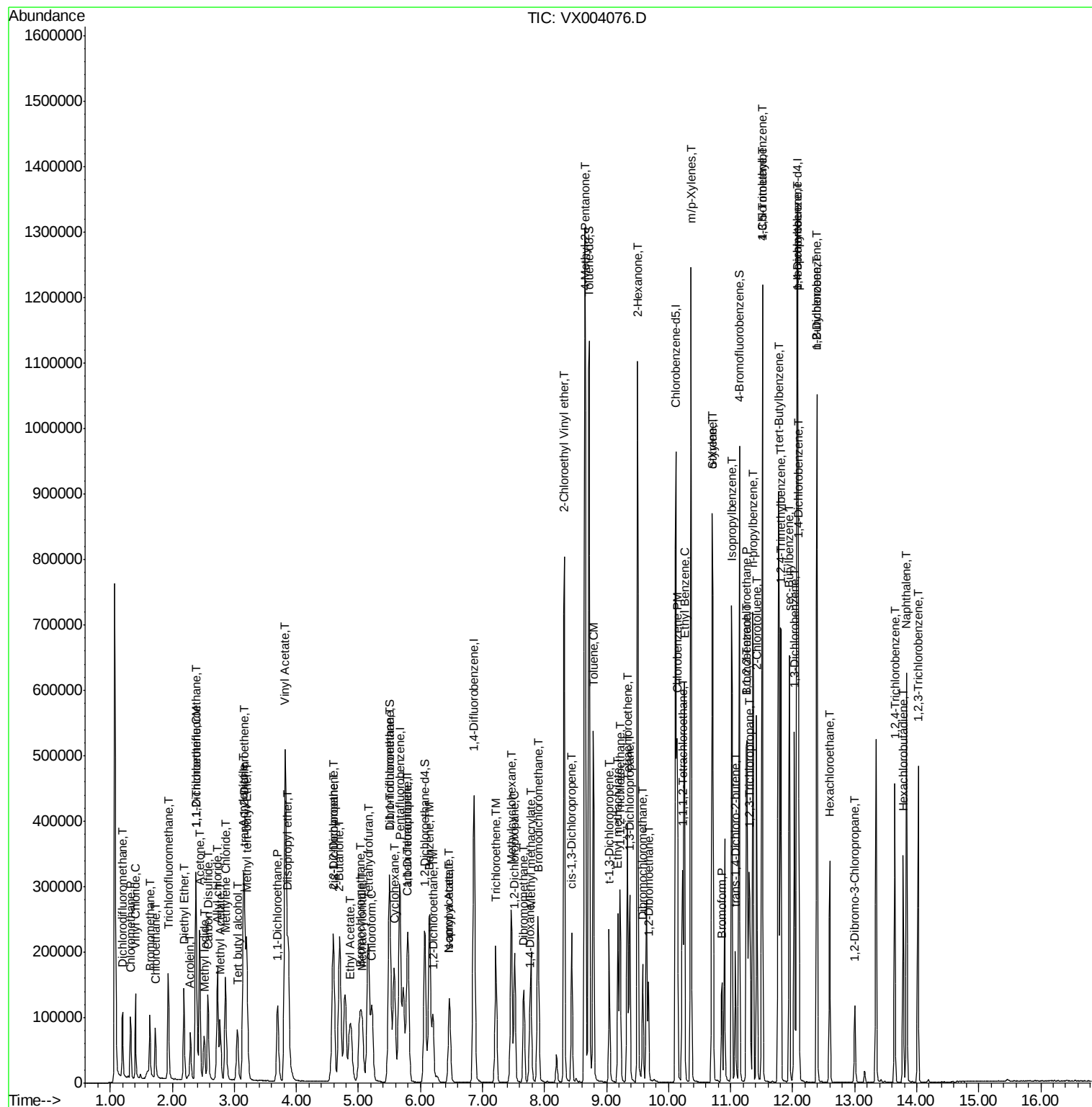
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004076.D
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 Misc : 5.0mL/MSVOA X/WATER
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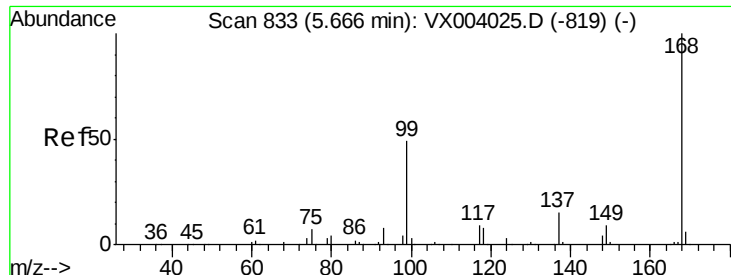
Instrument :
 MSVOA_X
 Client Sample Id :
 VX0815WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion:168 Resp: 307318

Ion Ratio Lower Upper

168 100

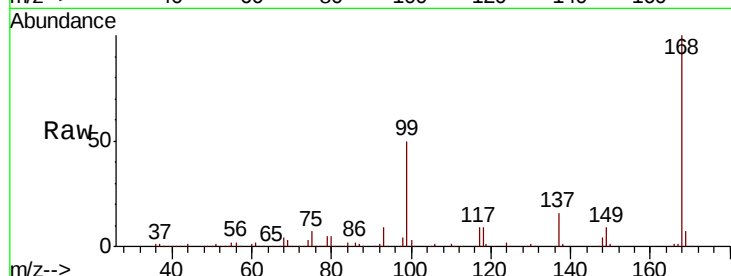
99 49.7 40.1 60.1

Manual Integrations

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8/16/2018 4:39:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

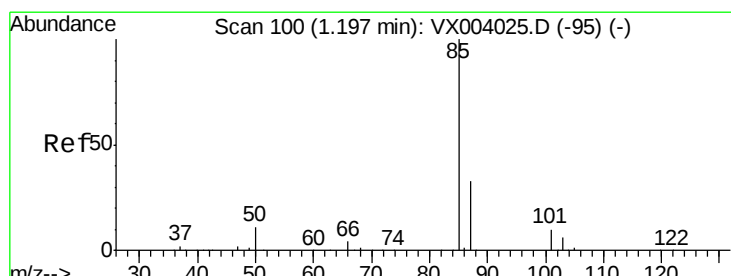
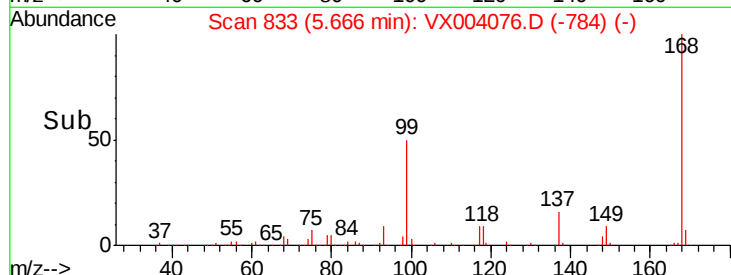
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.61 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004076.D

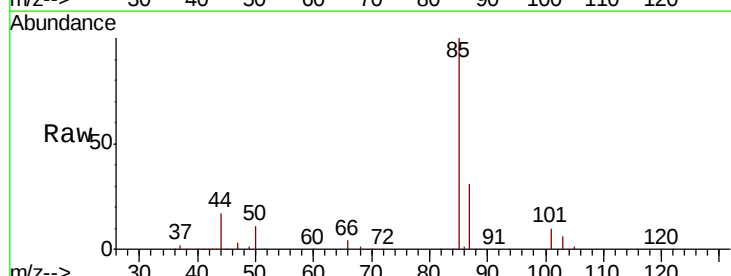
Acq: 15 Aug 2018 16:54

Tgt Ion: 85 Resp: 61647

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

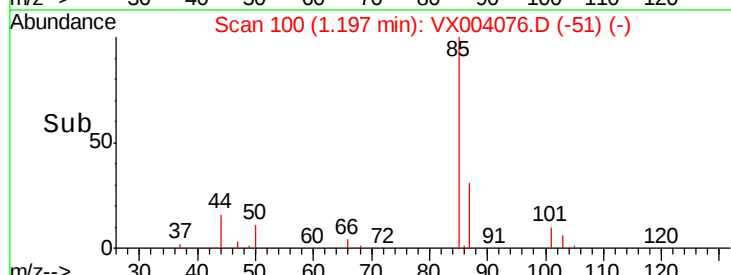
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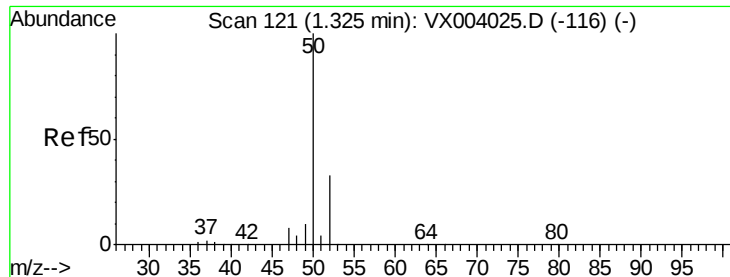
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 50 Resp: 73266

Ion Ratio Lower Upper

50 100

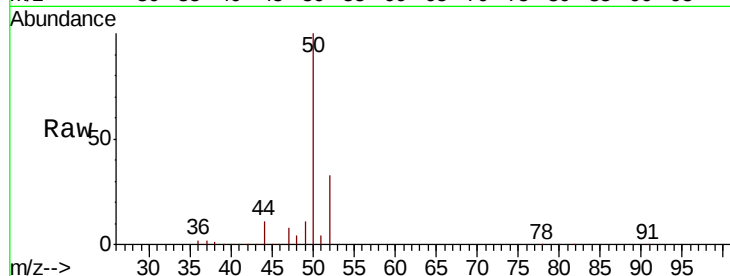
52 33.2 26.6 39.8

Manual Integrations

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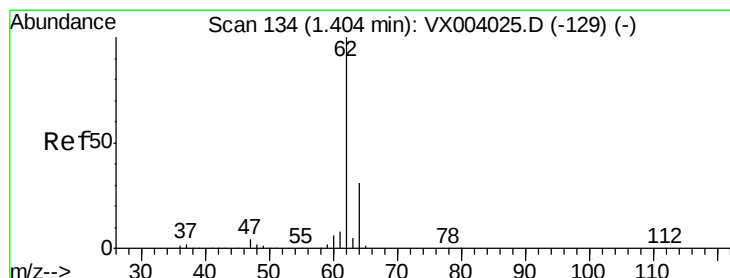
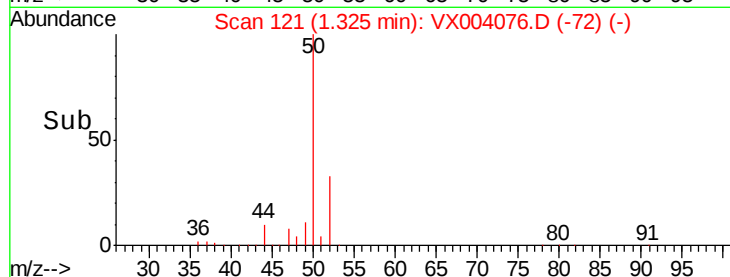
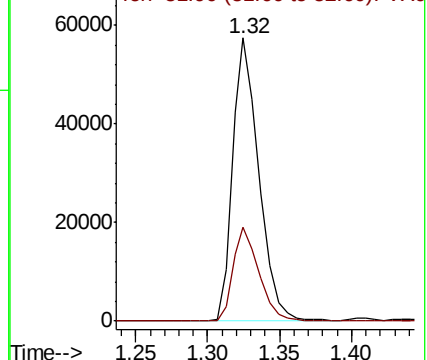
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.19 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004076.D

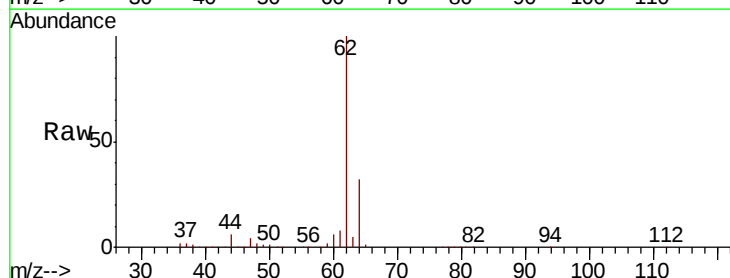
Acq: 15 Aug 2018 16:54

Tgt Ion: 62 Resp: 80198

Ion Ratio Lower Upper

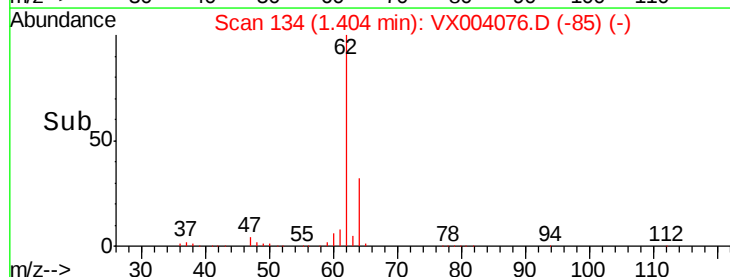
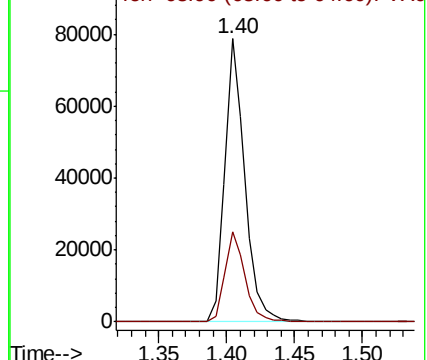
62 100

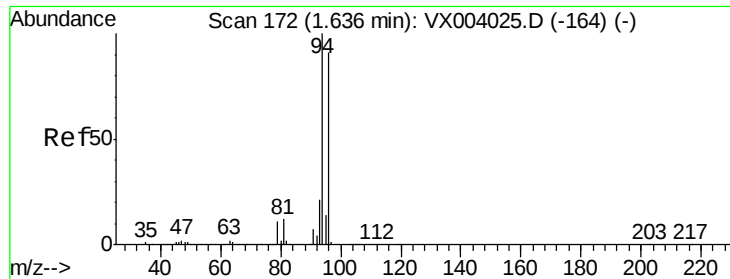
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.69 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 94 Resp: 45873

Ion Ratio Lower Upper

94 100

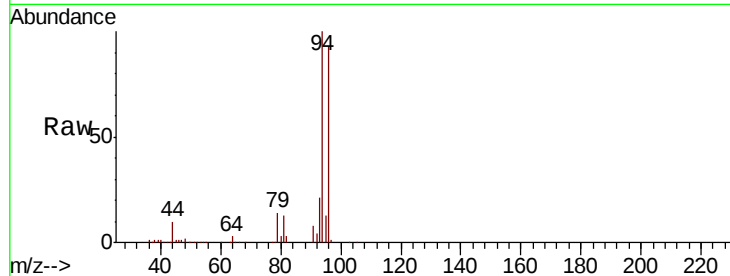
96 92.9 75.2 112.8

Manual Integrations

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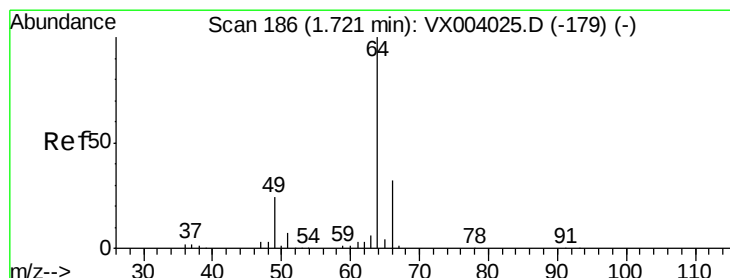
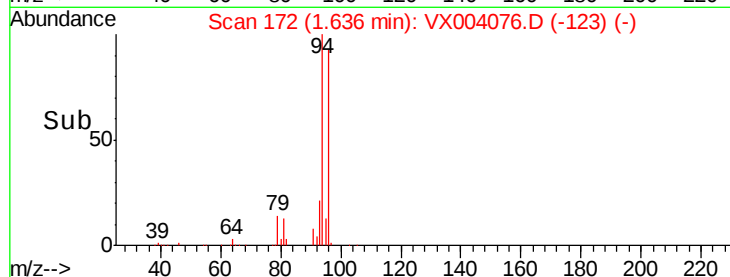
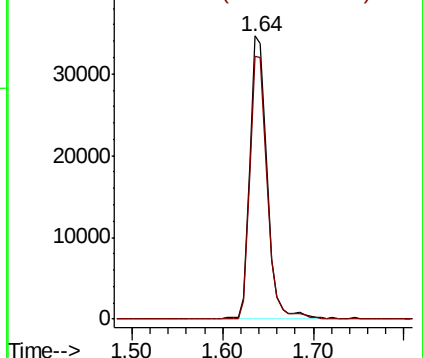
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.85 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004076.D

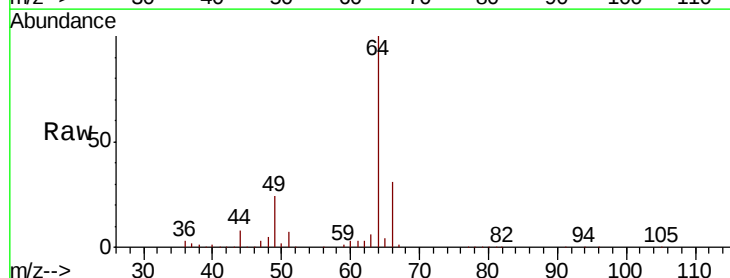
Acq: 15 Aug 2018 16:54

Tgt Ion: 64 Resp: 57181

Ion Ratio Lower Upper

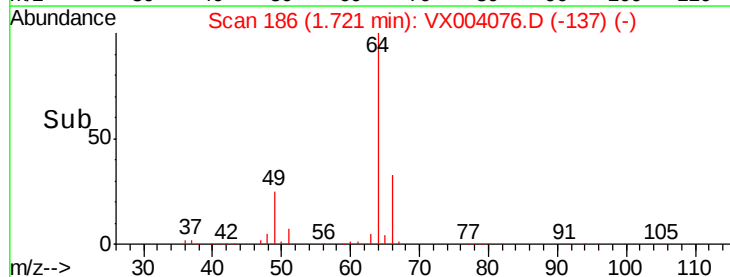
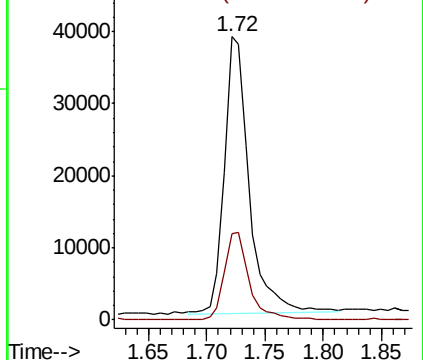
64 100

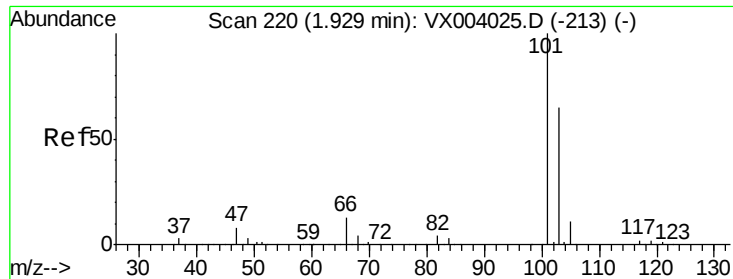
66 31.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

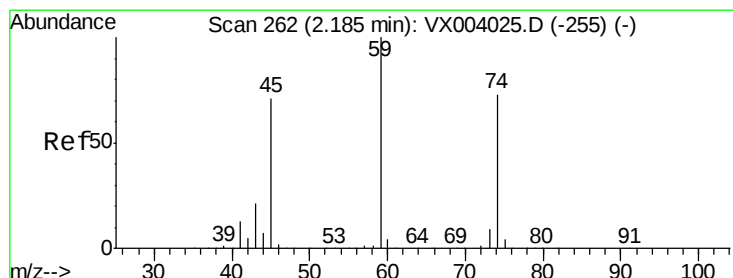
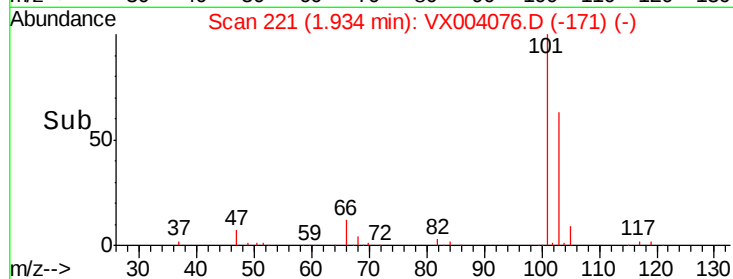
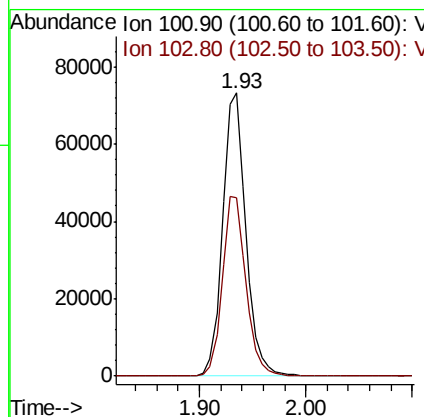
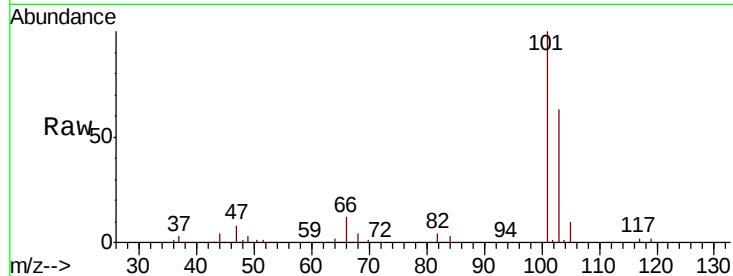
Trichlorofluoromethane
 Concen: 19.96 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
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 VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.3	78.5

Manual Integrations
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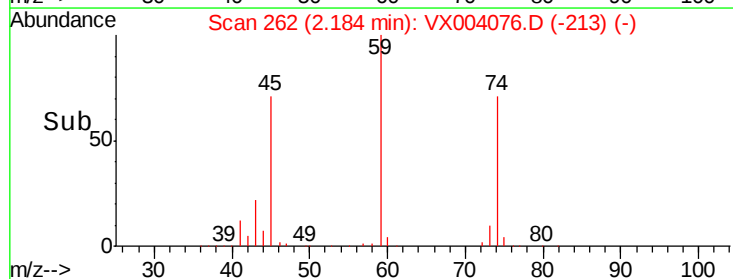
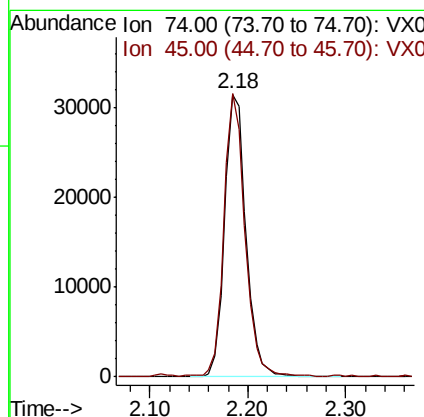
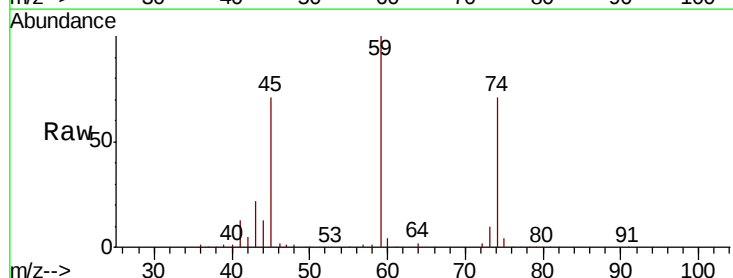
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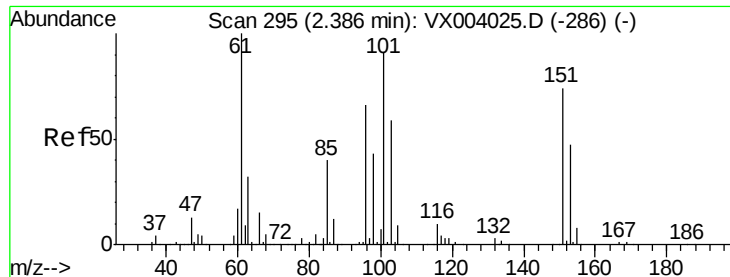


#8

Diethyl Ether
 Concen: 19.64 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.66 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

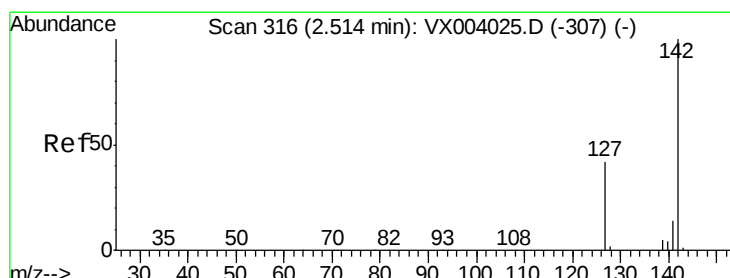
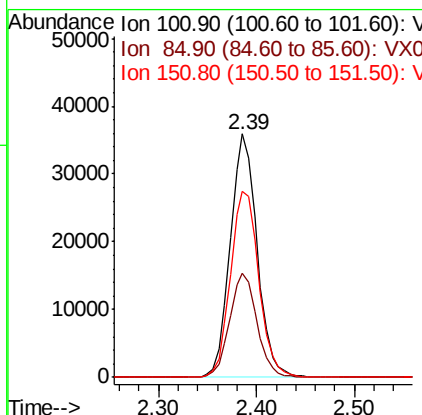
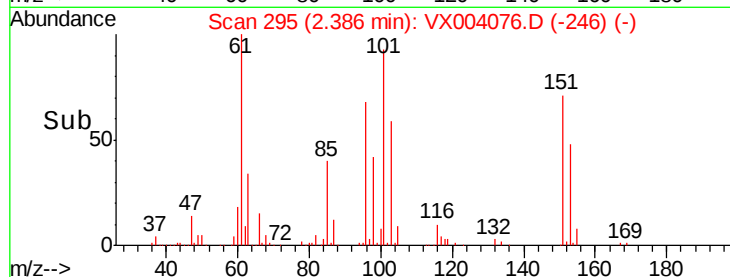
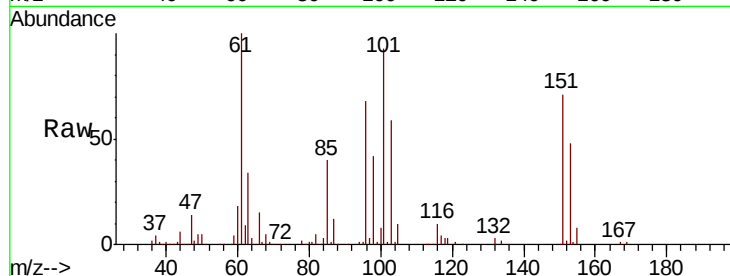
ClientSampleId :

VX0815WBSD01

Tot Ion:	101	Resp:	68332
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.4
151	80.8	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.49 ug/l

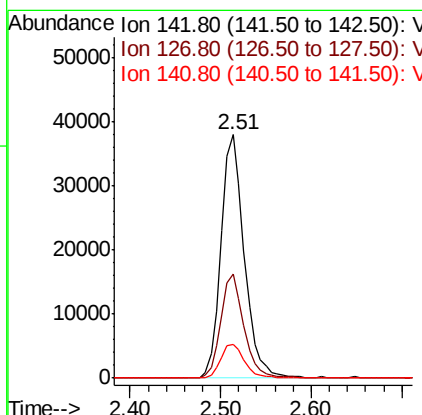
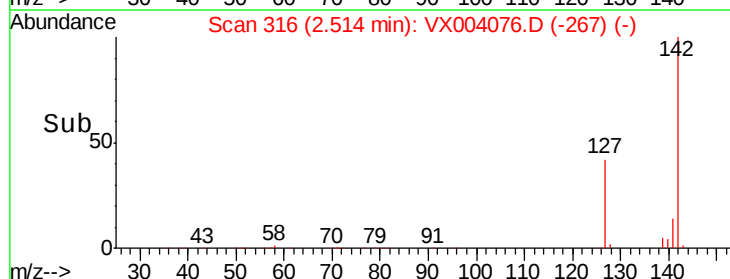
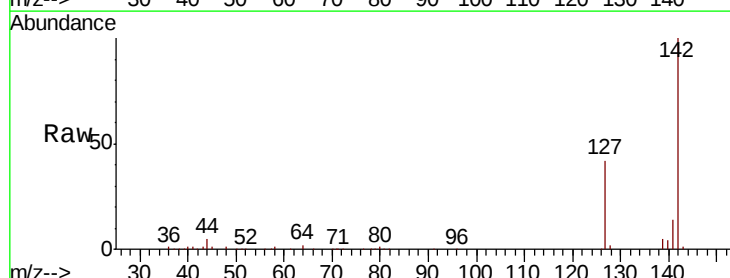
RT: 2.51 min Scan# 316

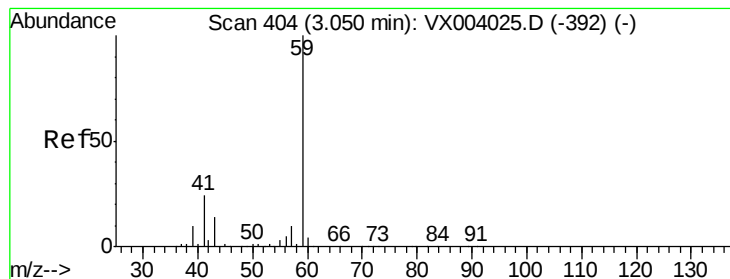
Delta R.T. 0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Tgt Ion:	142	Resp:	67980
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.1	49.7
141	14.2	11.1	16.7





#11

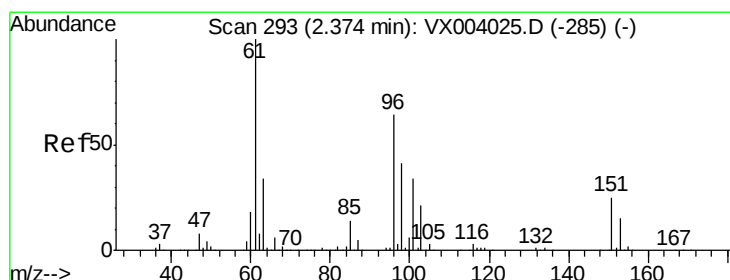
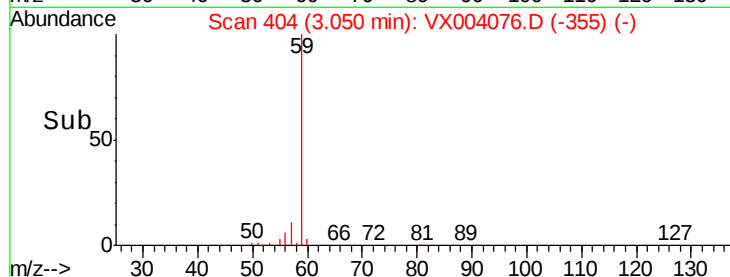
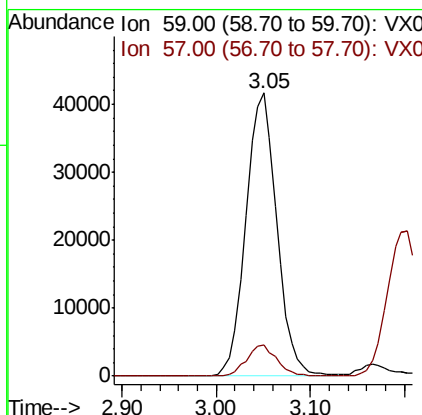
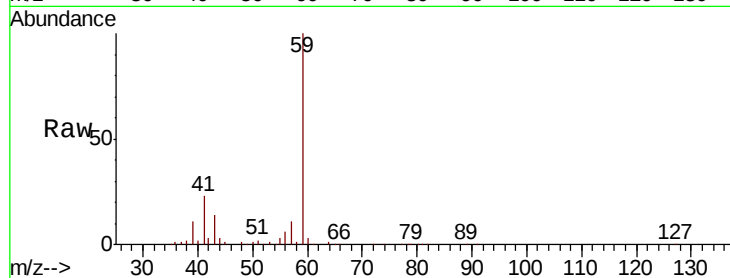
Tert butyl alcohol
 Concen: 109.59 ug/l
 RT: 3.05 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion	59	Resp	95553
Ion Ratio	100	Lower	Upper
57	10.7	8.1	12.1

Manual Integrations
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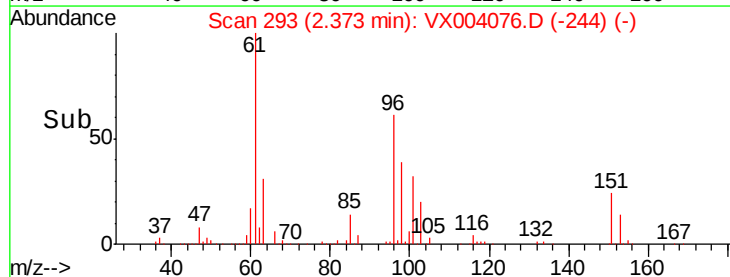
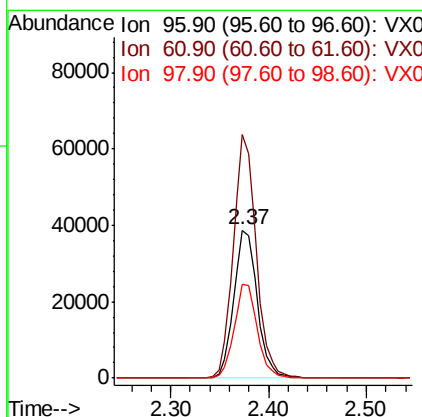
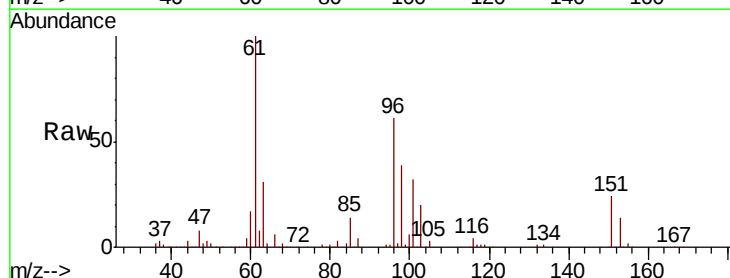
MMDadoda
 8/16/2018 4:39:15 PM

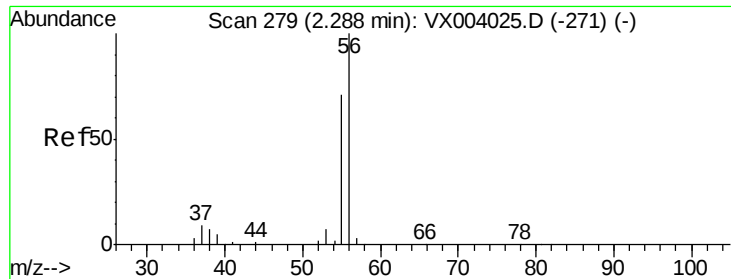


#12

1,1-Dichloroethene
 Concen: 19.88 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	96	Resp	64272
Ion Ratio	100	Lower	Upper
61	164.9	131.3	196.9
98	63.8	51.8	77.6





#13

Acrolein

Concen: 99.81 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 56 Resp: 54979

Ion Ratio Lower Upper

56 100

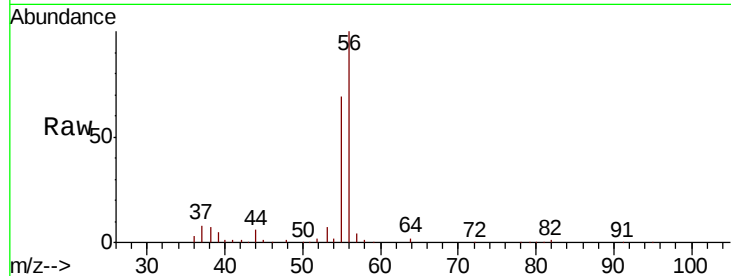
55 70.1 56.1 84.1

Manual Integrations

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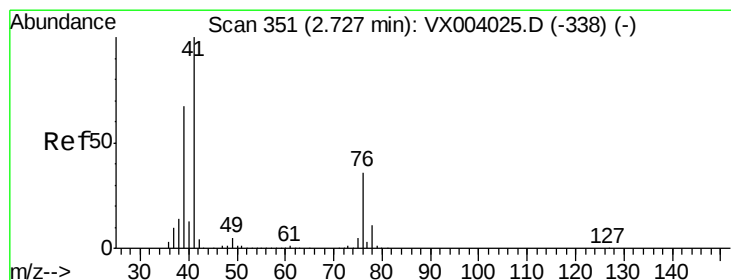
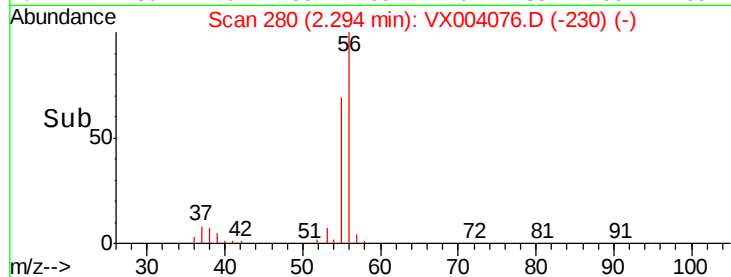
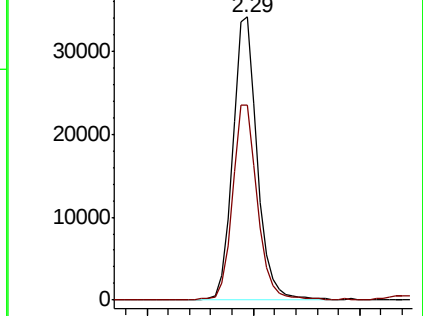
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.87 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

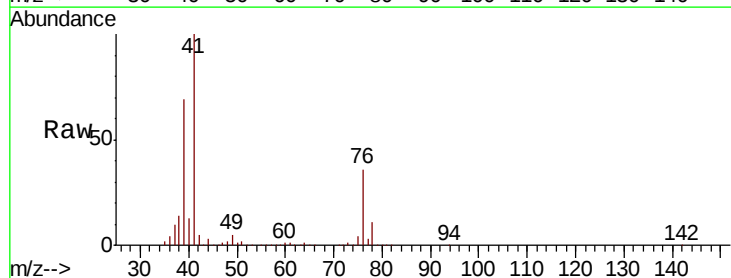
Tgt Ion: 41 Resp: 122237

Ion Ratio Lower Upper

41 100

39 62.2 47.4 71.0

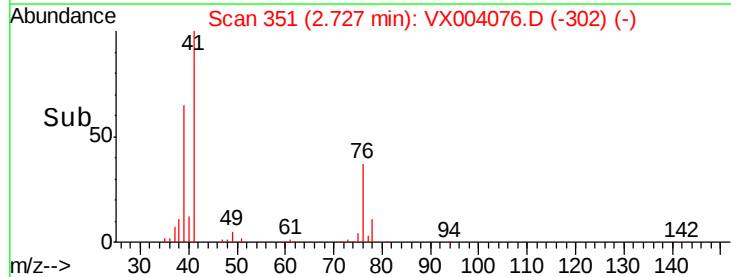
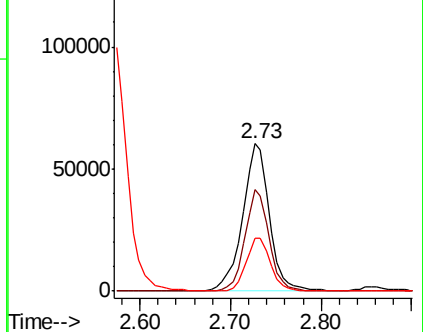
76 32.8 26.0 39.0

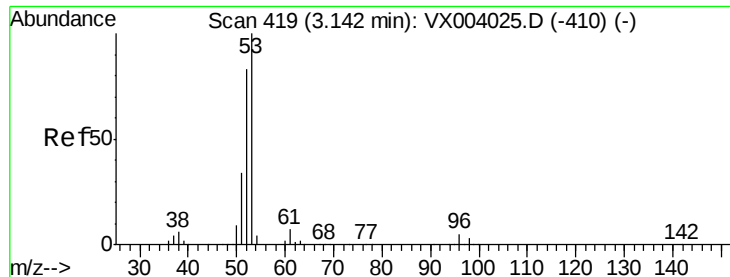


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 104.79 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

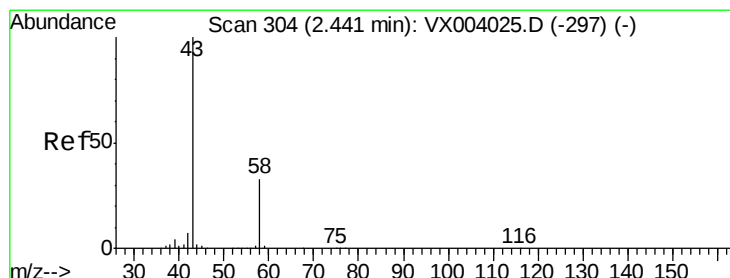
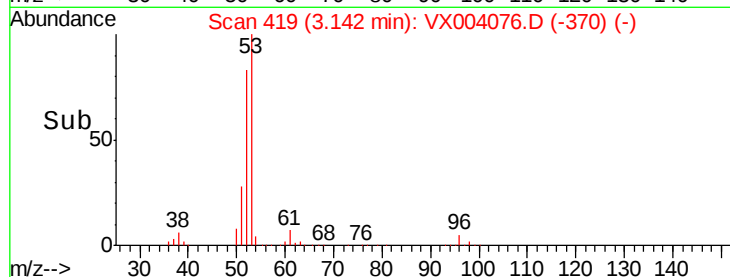
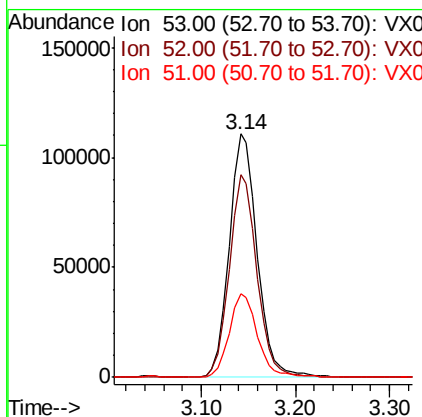
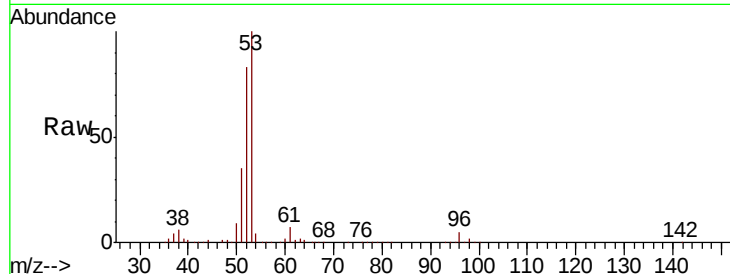
ClientSampleId :

VX0815WBSD01

Tot Ion:	53	Resp:	227820
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.3	97.9
51	34.9	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 106.09 ug/l

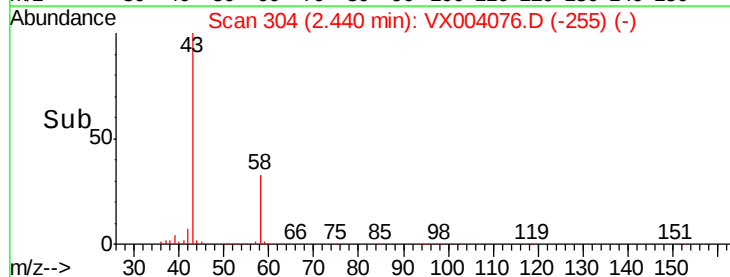
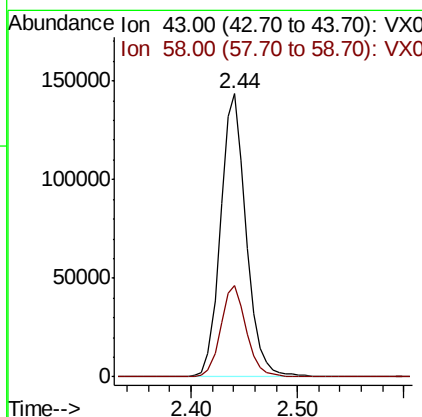
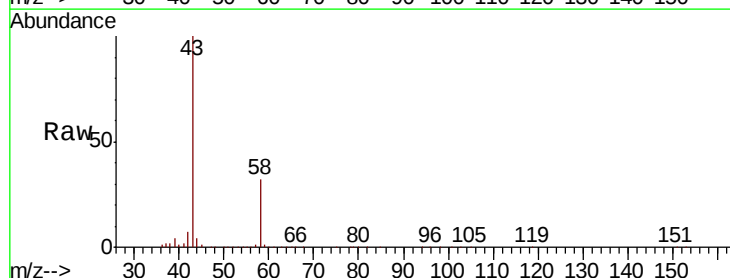
RT: 2.44 min Scan# 304

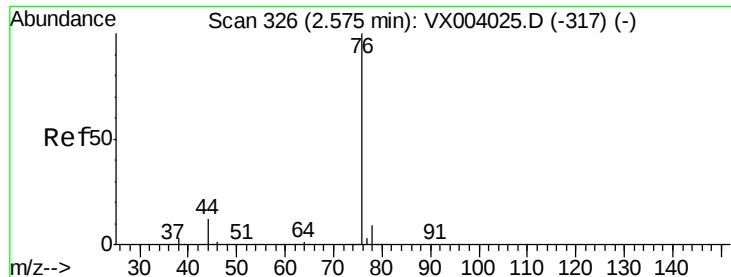
Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Tgt Ion:	43	Resp:	238844
Ion Ratio	Lower	Upper	
43	100		
58	32.5	26.4	39.6





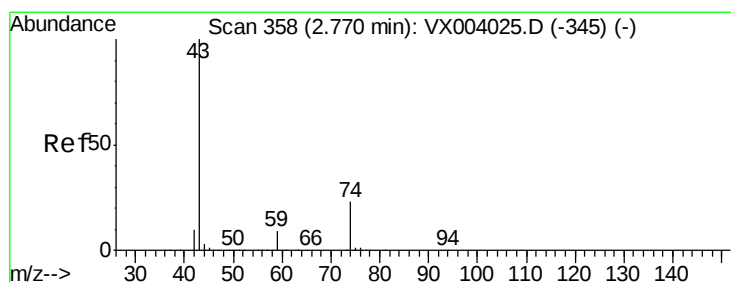
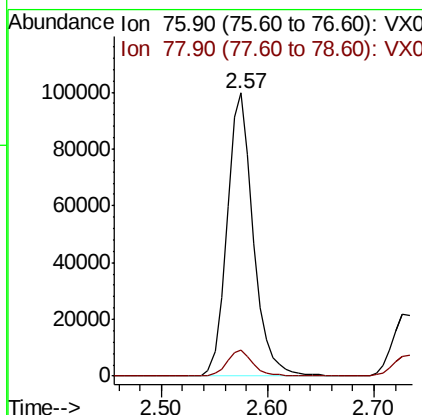
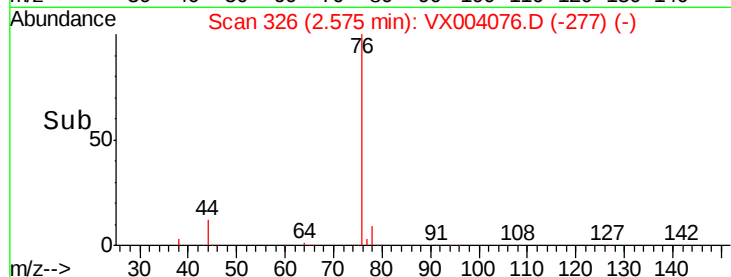
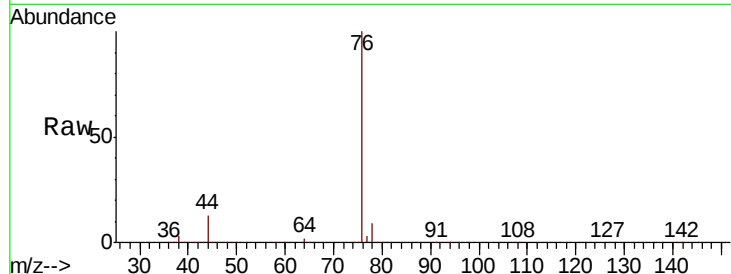
#17
Carbon Disulfide
Concen: 18.74 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

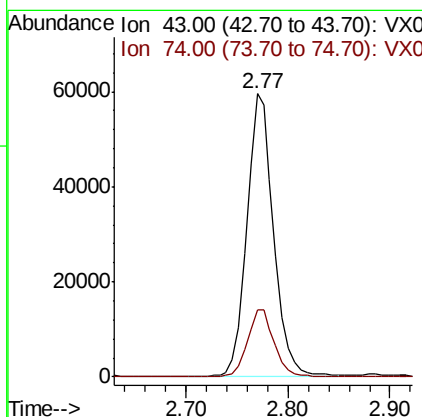
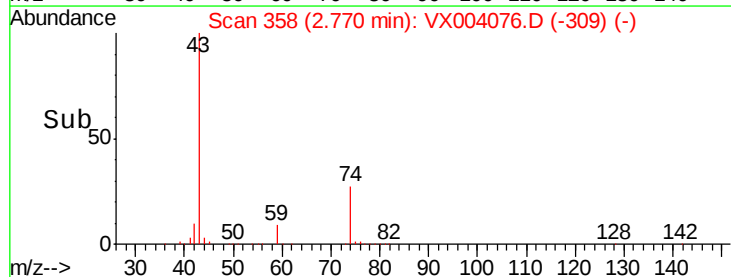
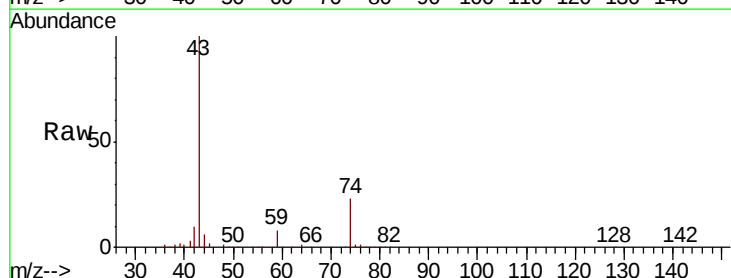
Manual Integrations
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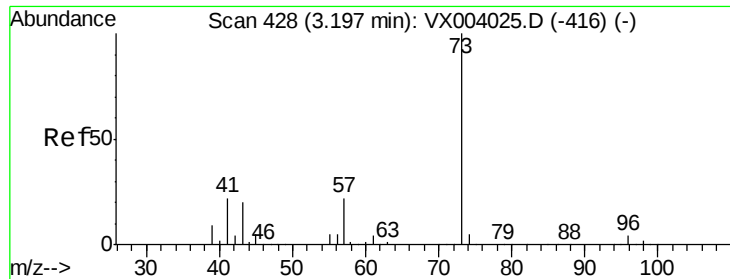
MMDadoda
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#18
Methyl Acetate
Concen: 21.57 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.9	28.3





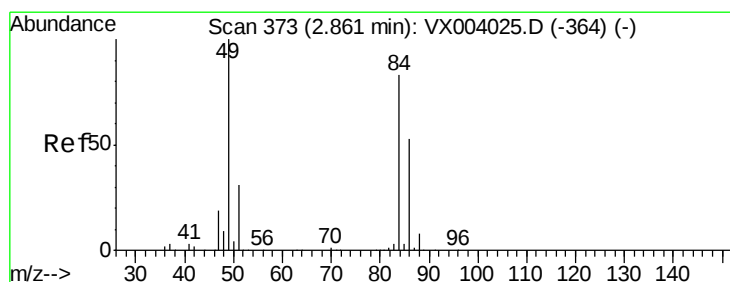
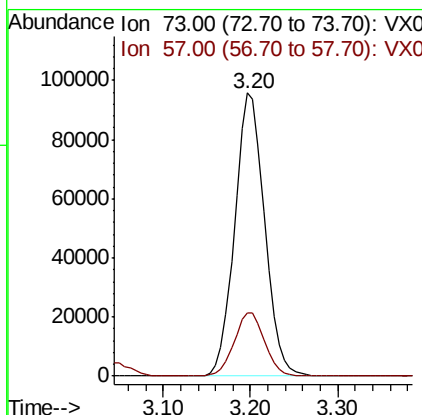
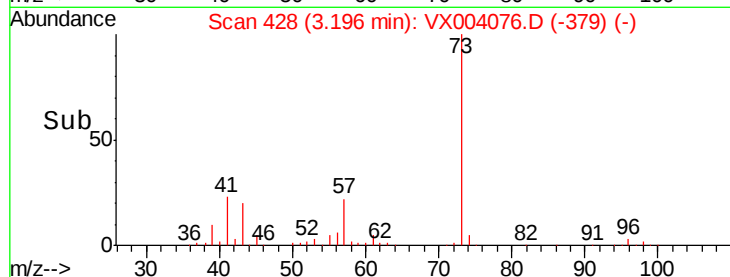
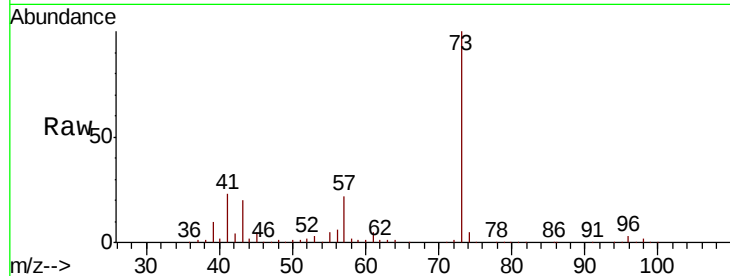
#19
Methvl tert-butvl Ether
Concen: 19.96 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.0	27.0

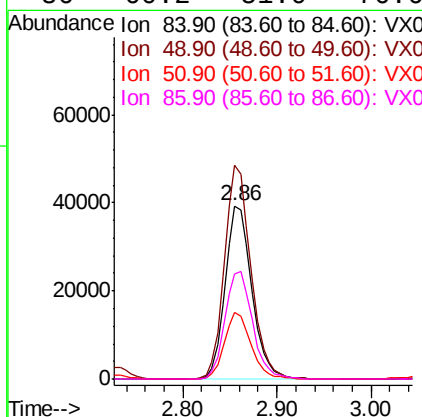
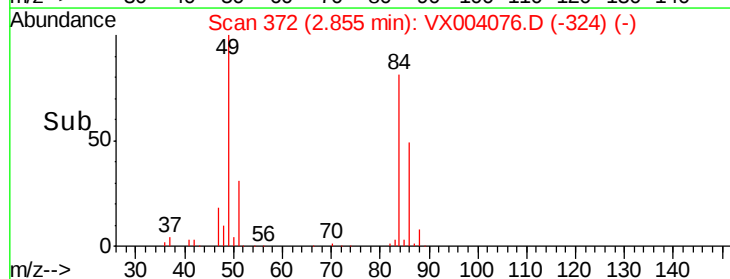
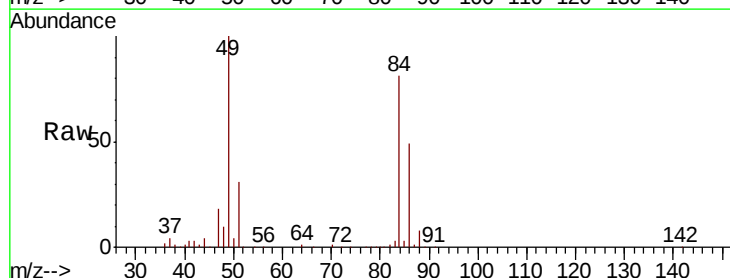
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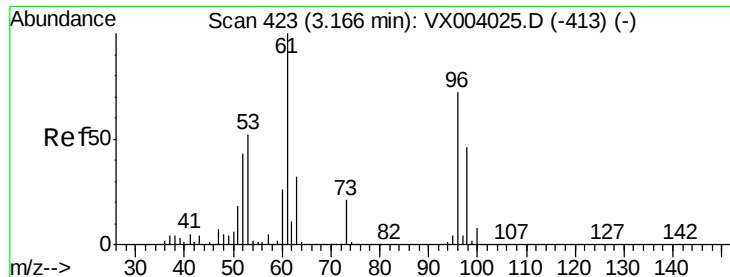
MMDadoda
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#20
Methylene Chloride
Concen: 20.67 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	98.9	148.3
51	38.6	29.9	44.9
86	60.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.36 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 96 Resp: 71081

Ion Ratio Lower Upper

96 100

61 144.5 111.8 167.6

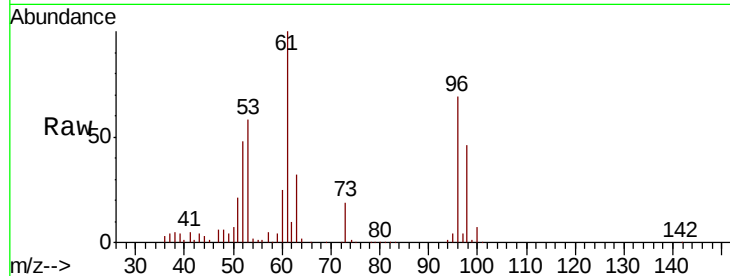
98 65.8 51.8 77.6

Manual Integrations

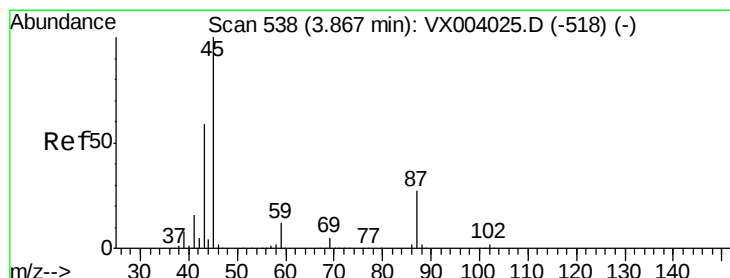
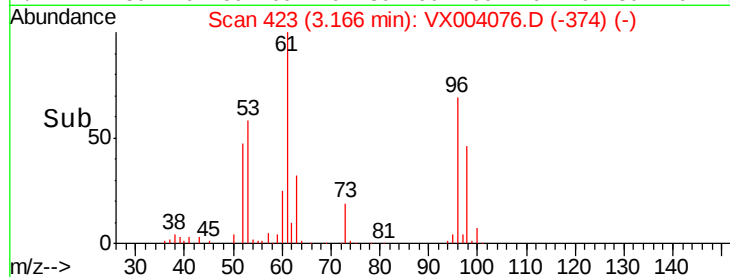
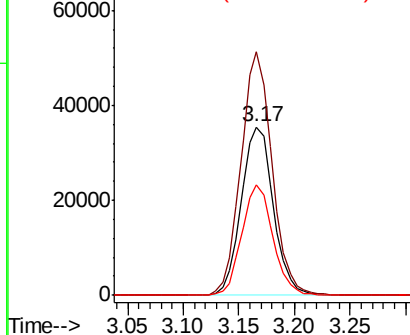
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.91 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Tgt Ion: 45 Resp: 240047

Ion Ratio Lower Upper

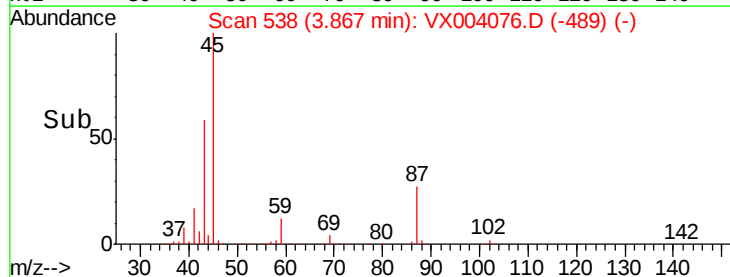
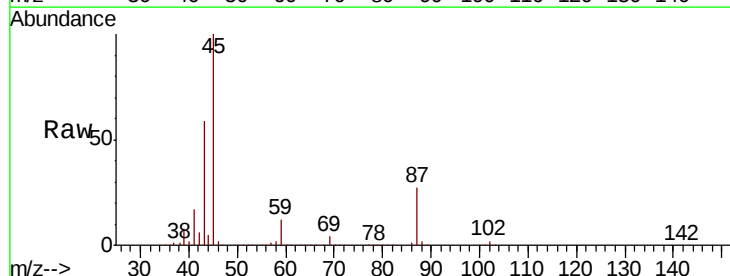
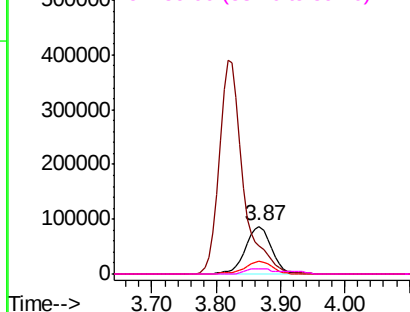
45 100

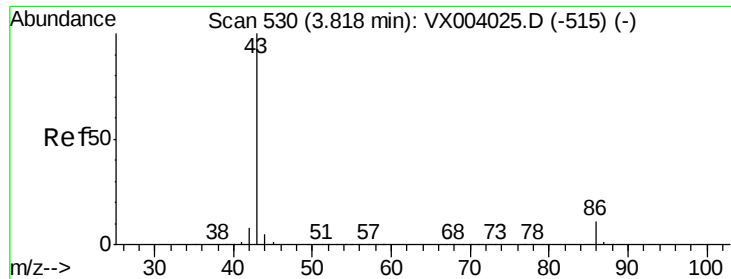
43 58.5 45.3 67.9

87 27.0 22.7 34.1

59 11.8 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: 102.77 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 43 Resp: 1017440

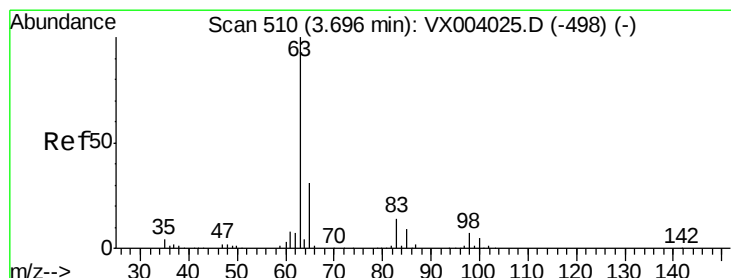
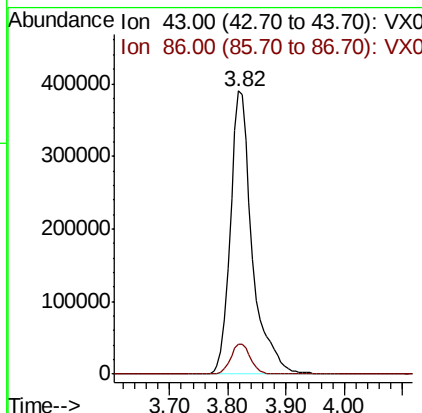
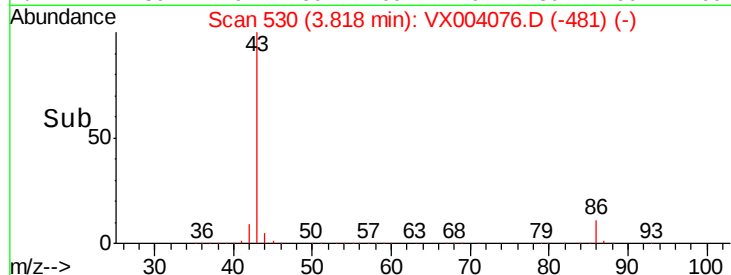
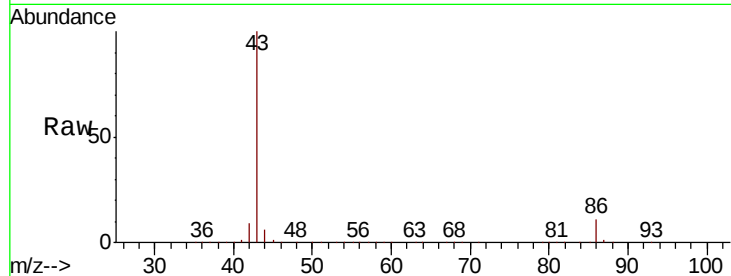
Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.02 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

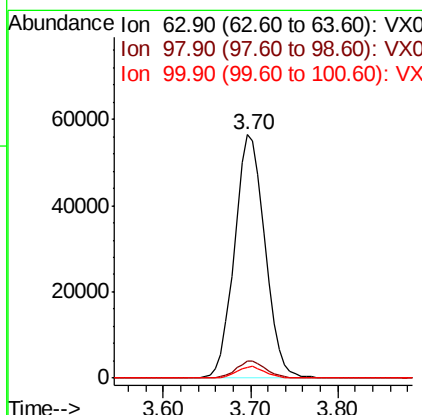
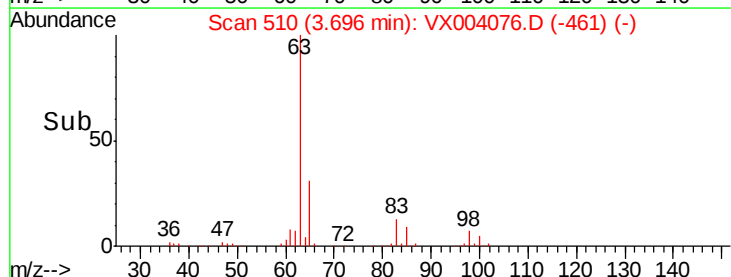
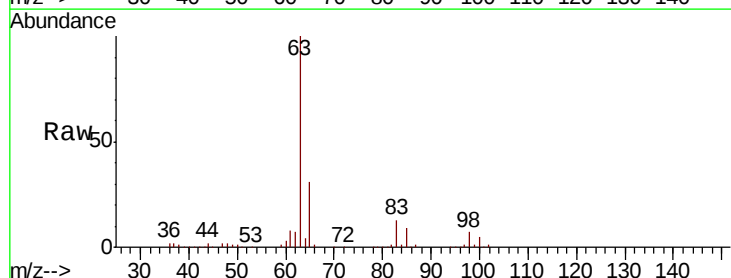
Tgt Ion: 63 Resp: 136671

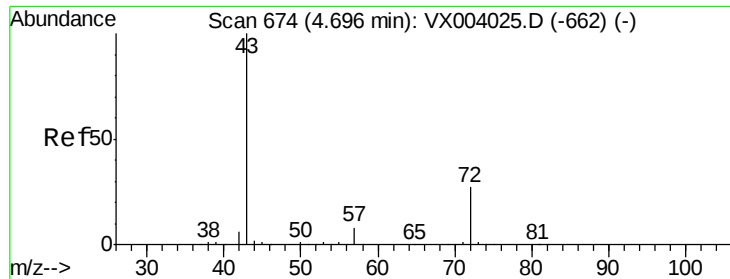
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 106.59 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 43 Resp: 390447

Ion Ratio Lower Upper

43 100

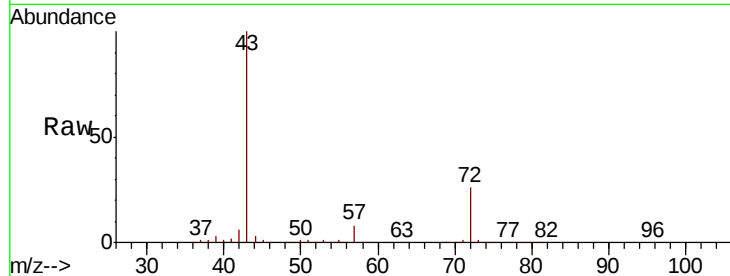
72 26.2 21.4 32.0

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

150000

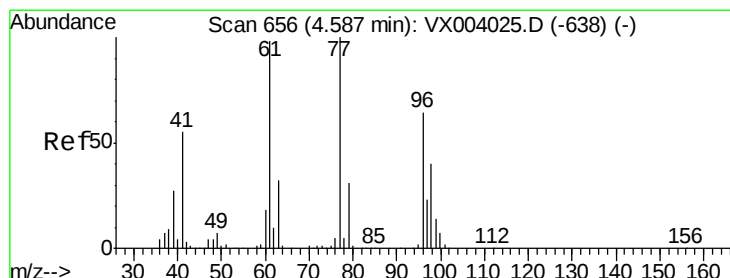
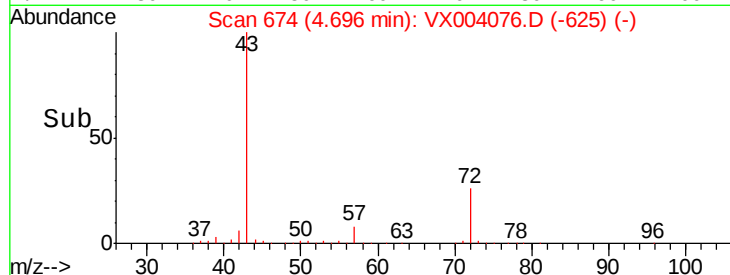
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.83 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004076.D

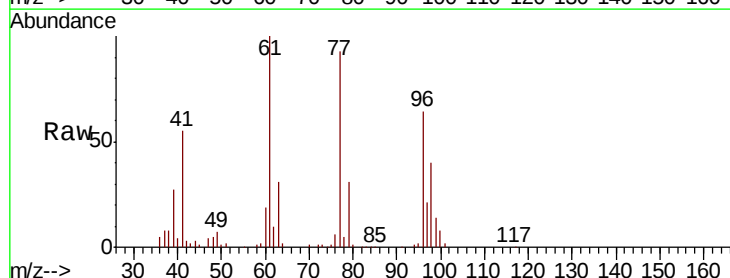
Acq: 15 Aug 2018 16:54

Tgt Ion: 77 Resp: 102192

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

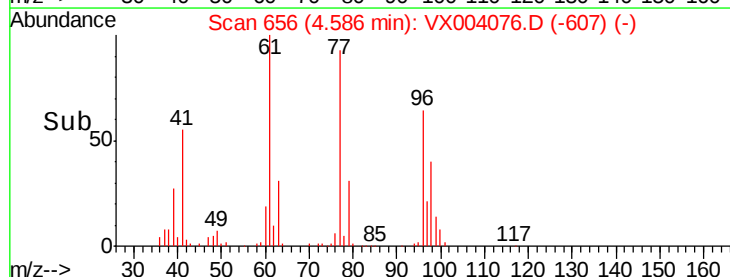
20000

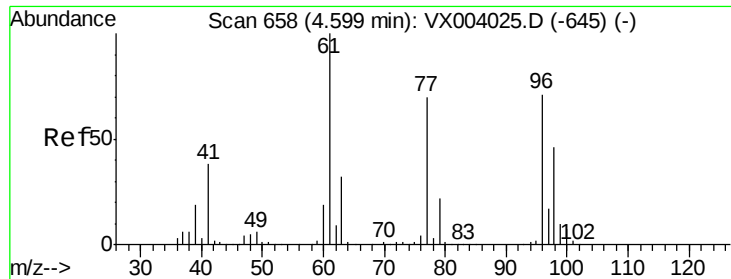
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

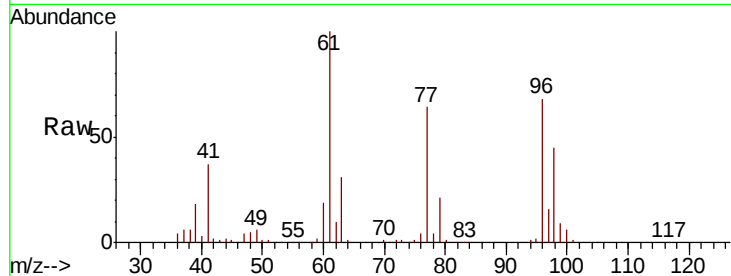
cis-1,2-Dichloroethene
Concen: 19.66 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	81176		
61	152.3		0.0	293.0
98	65.1		0.0	131.8

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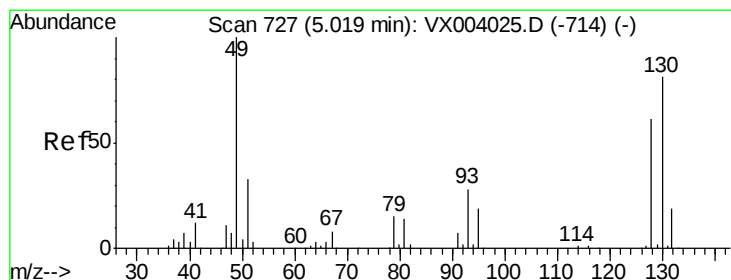
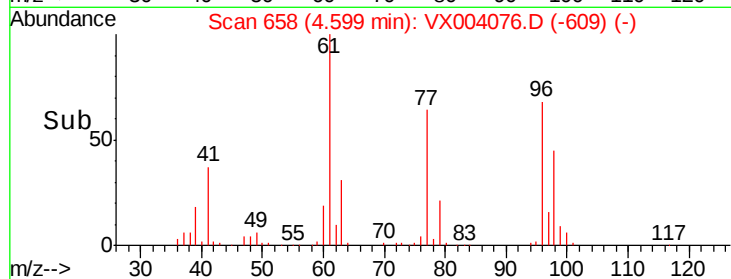
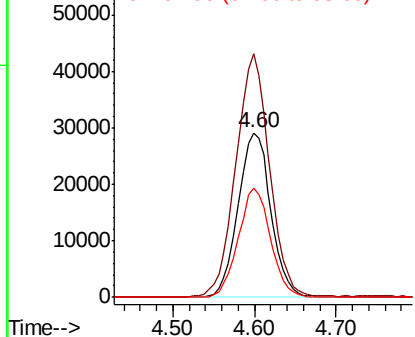


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

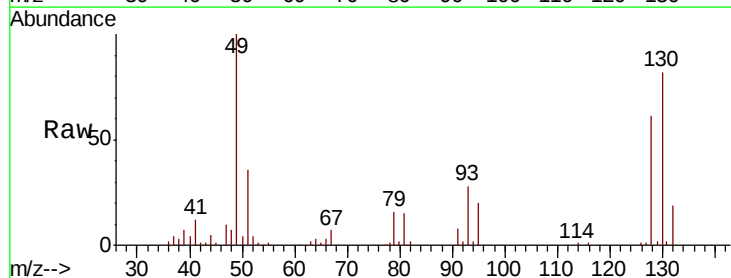
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 20.83 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65246		
129	2.0		0.0	4.2
130	77.9		66.5	99.7

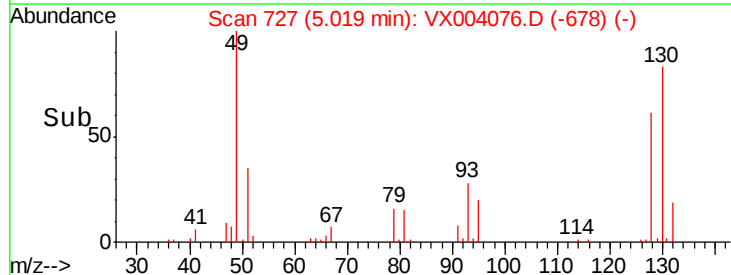
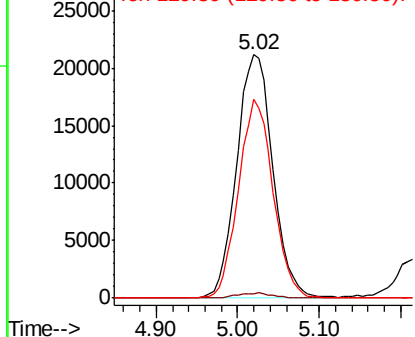


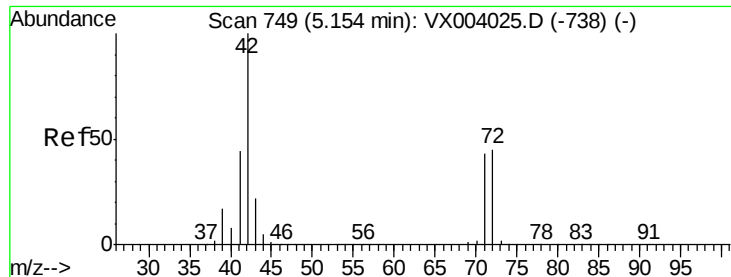
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





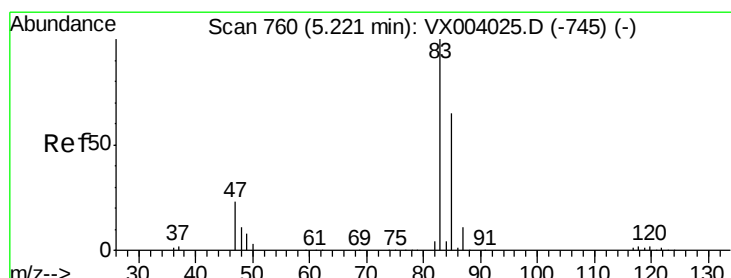
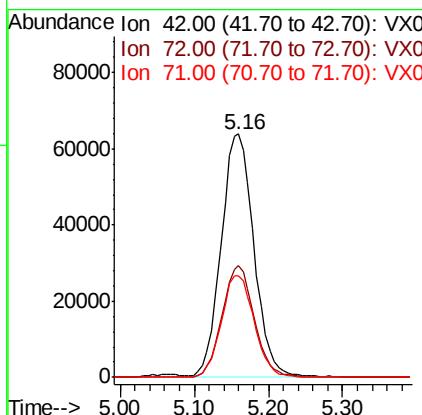
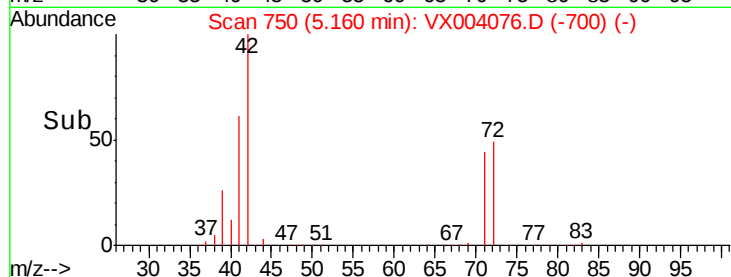
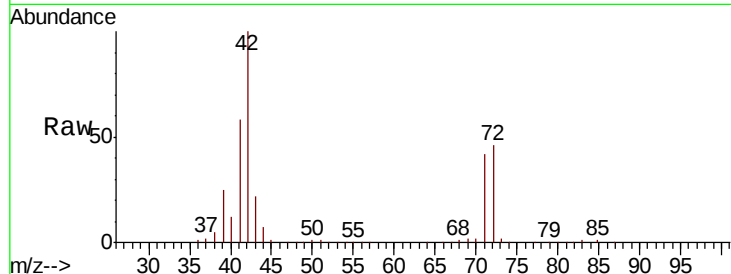
#29
Tetrahydrofuran
Concen: 103.83 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.7	56.5
71	42.5	35.0	52.6

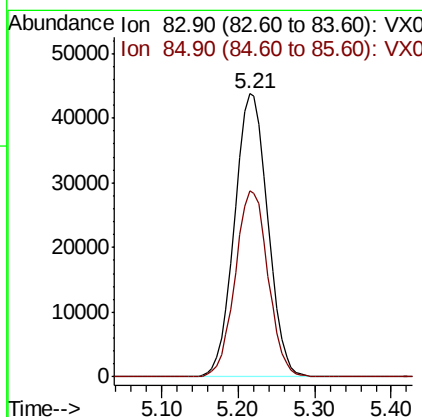
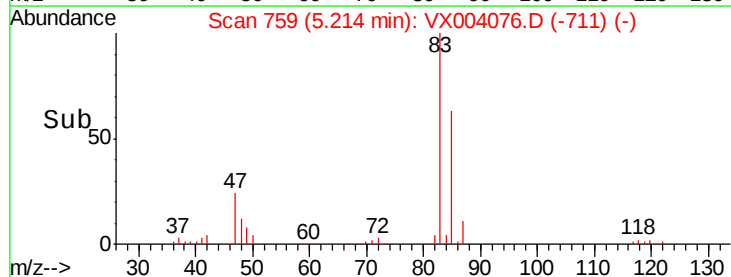
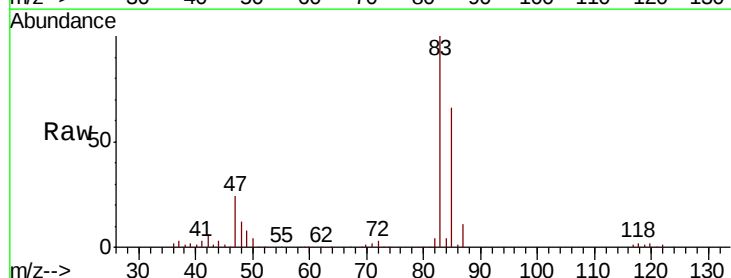
Manual Integrations
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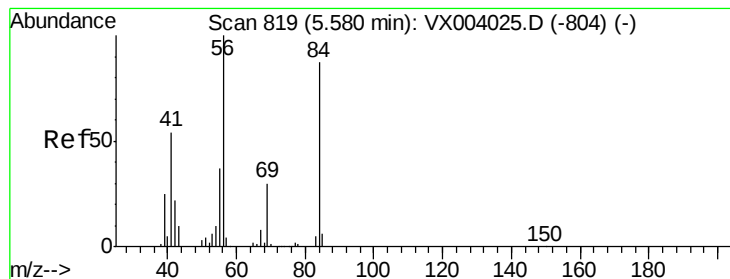
MMDadoda
8/16/2018 4:39:15 PM



#30
Chloroform
Concen: 19.83 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.7	76.1





#31

Cyclohexane

Concen: 19.17 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

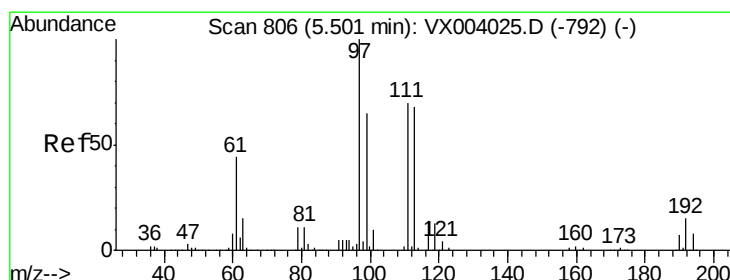
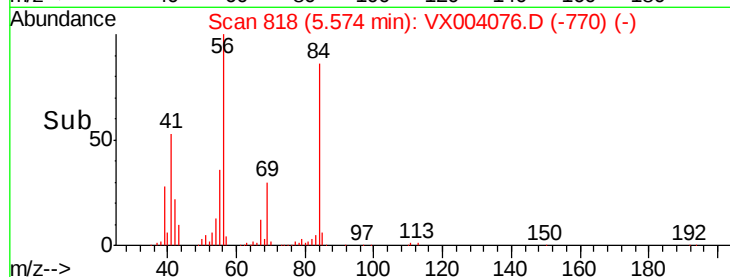
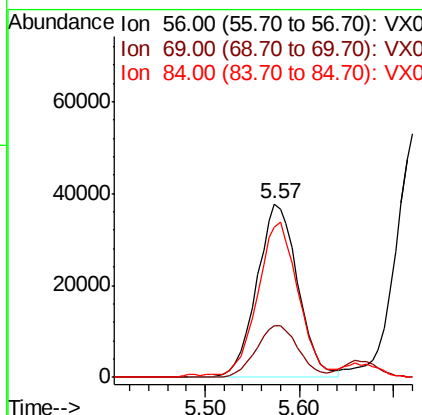
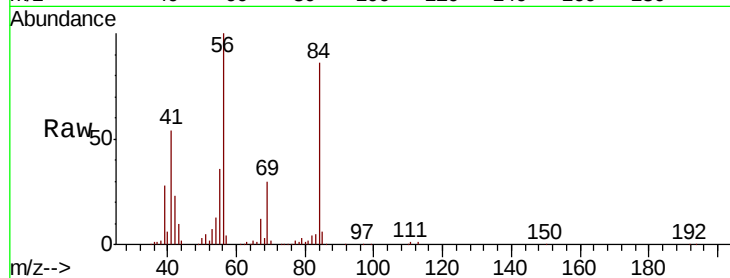
ClientSampleId :

VX0815WBSD01

Tot Ion:	56	Resp:	114717
Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.9	37.3
84	85.0	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.18 ug/l

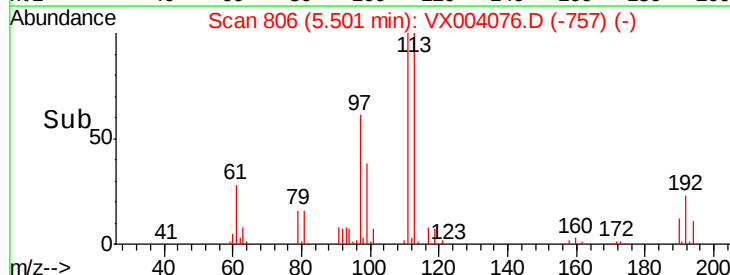
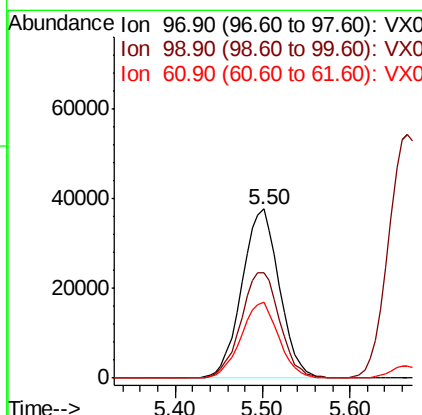
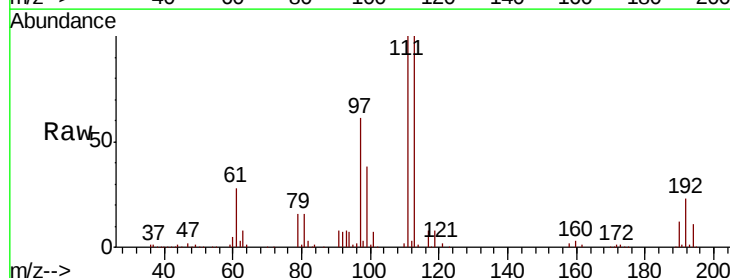
RT: 5.50 min Scan# 806

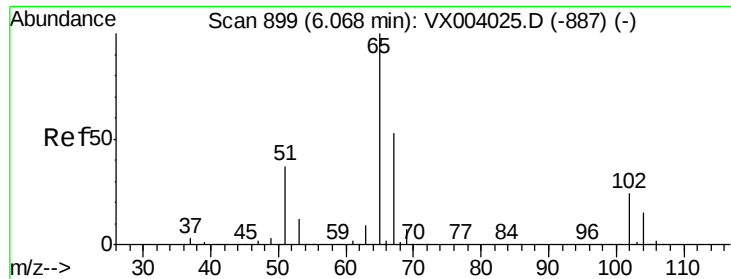
Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Tgt Ion:	97	Resp:	112353
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	45.1	34.4	51.6





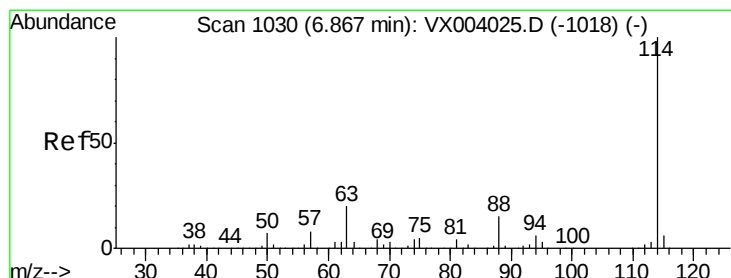
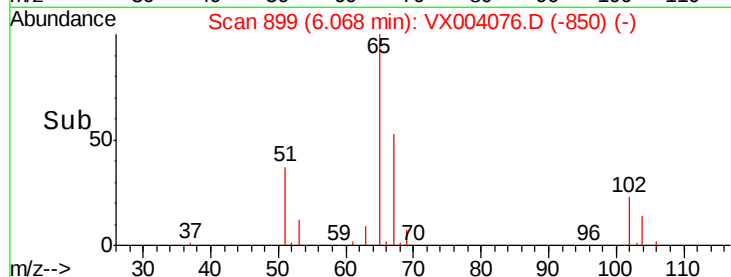
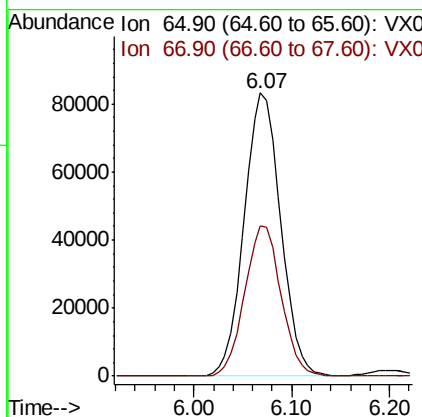
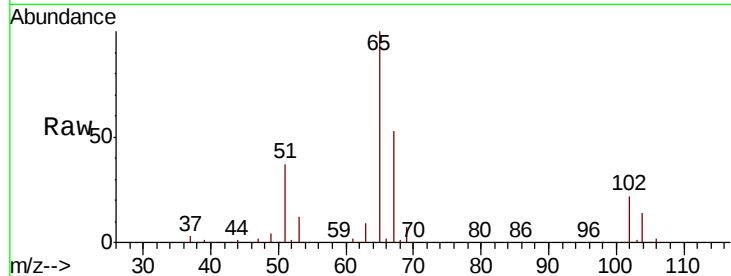
#33
 1,2-Dichloroethane-d4
 Concen: 49.79 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	21579		
67	53.0	0.0	105.8	

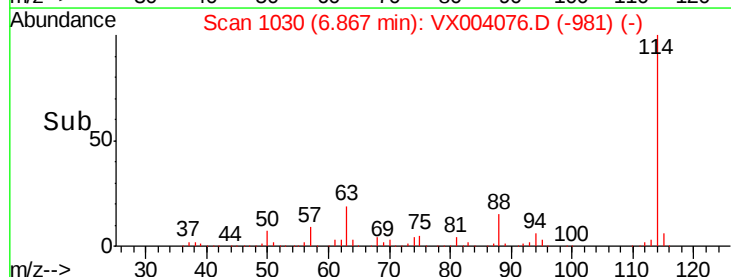
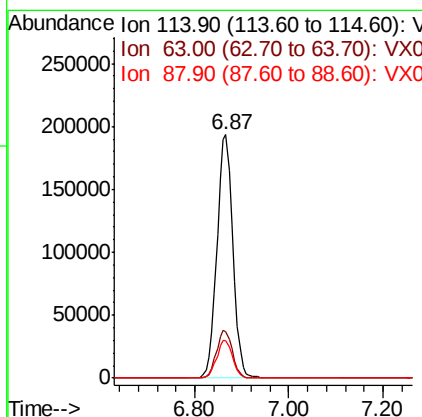
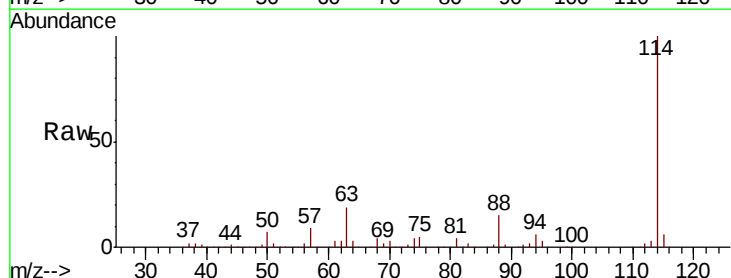
Manual Integrations
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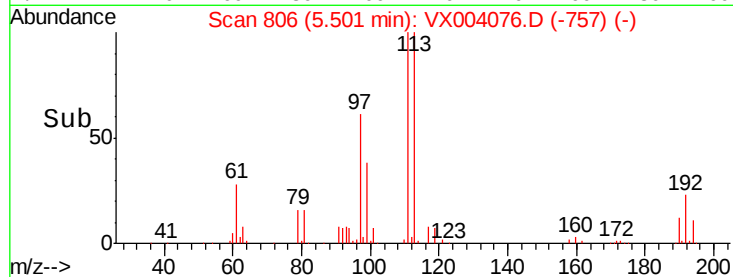
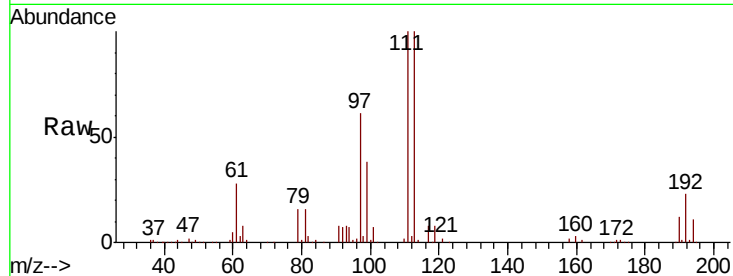
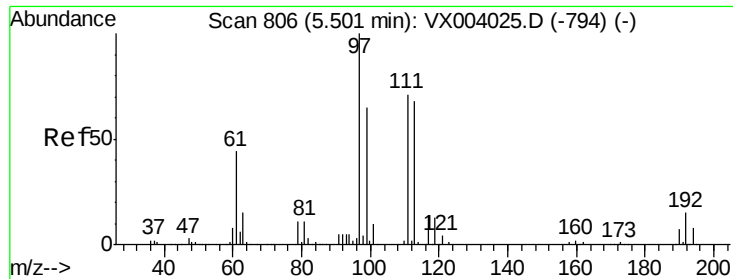
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	452373		
63	19.3	0.0	39.0	
88	15.3	0.0	32.0	





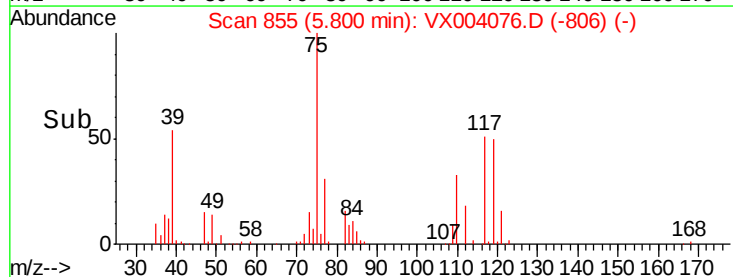
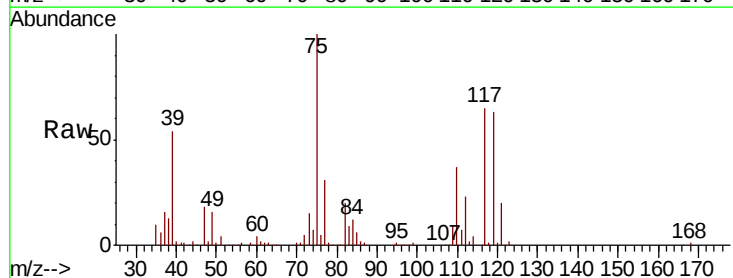
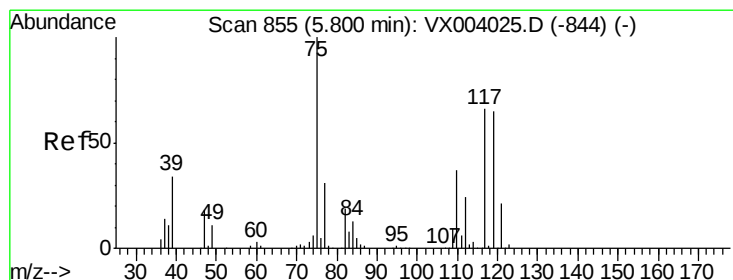
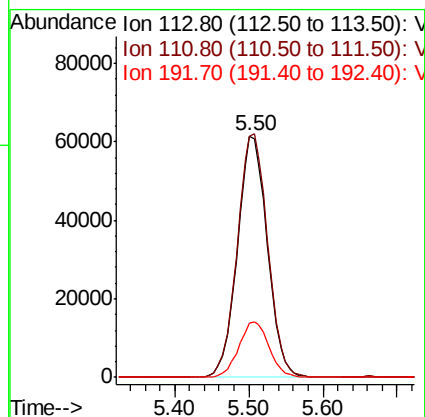
#35
Dibromofluoromethane
Concen: 51.06 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tot Ion	Ratio	Resp	Lower	Upper
113	100	172875		
111	102.7	82.0	123.0	
192	23.3	19.0	28.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

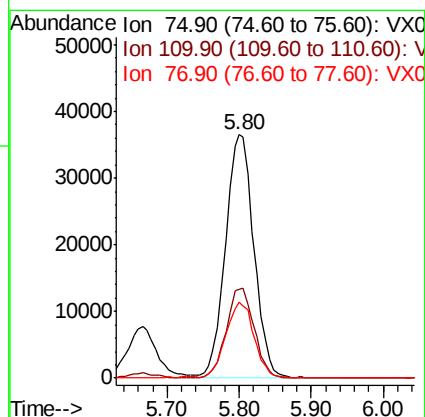
Manual Integrations
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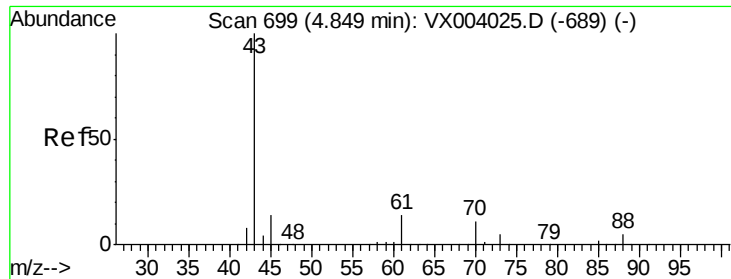
MMDadoda
8/16/2018 4:39:15 PM



#36
1,1-Dichloropropene
Concen: 19.51 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	100456		
110	36.1	18.2	54.6	
77	30.8	25.0	37.4	





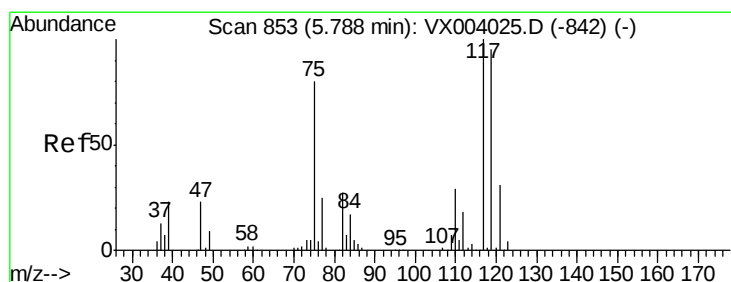
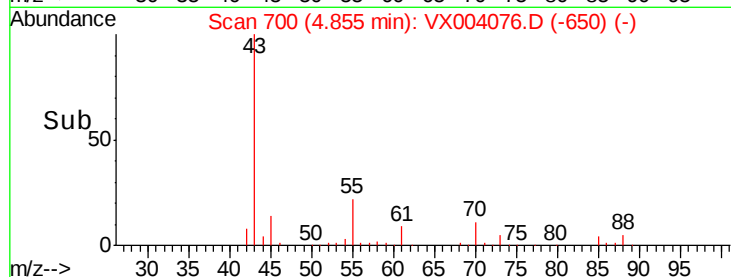
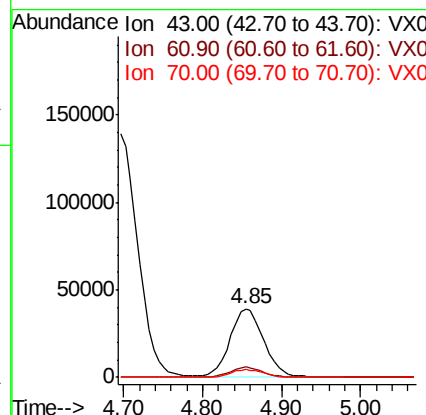
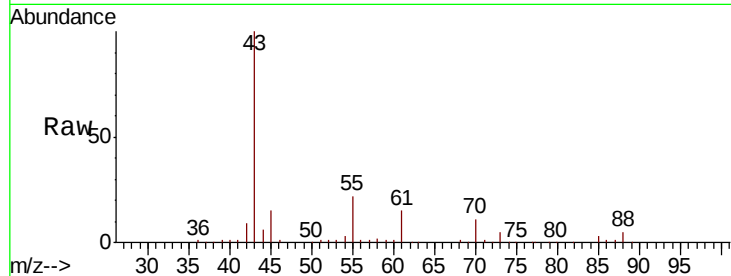
#37
Ethyl Acetate
Concen: 20.77 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	11.2	9.0	13.4

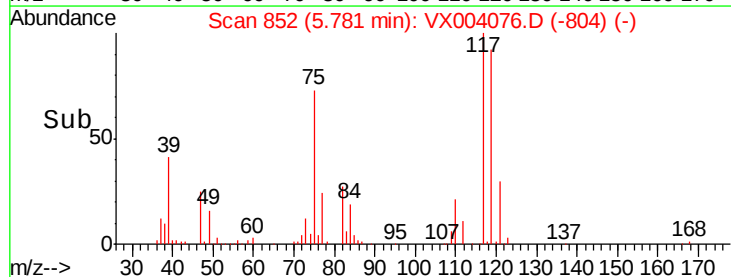
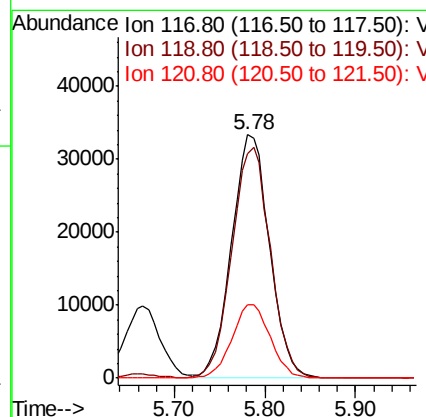
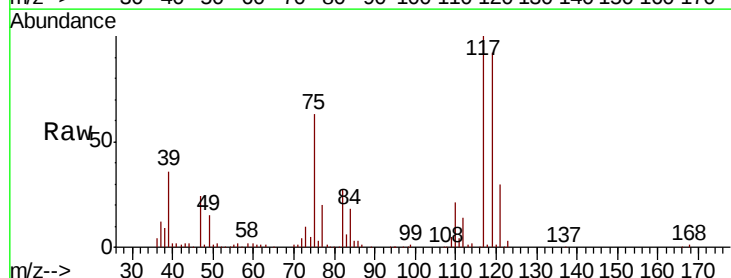
Manual Integrations
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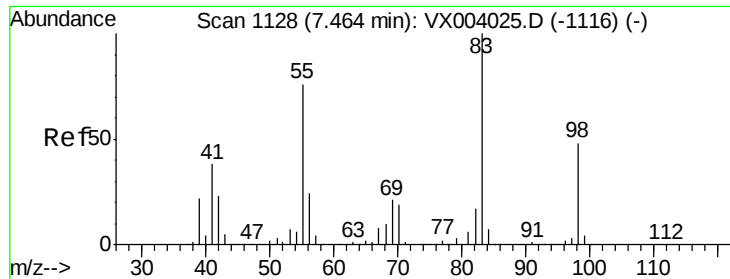
MMDadoda
8/16/2018 4:39:15 PM



#38
Carbon Tetrachloride
Concen: 19.41 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	79.5	119.3
121	30.1	25.0	37.4





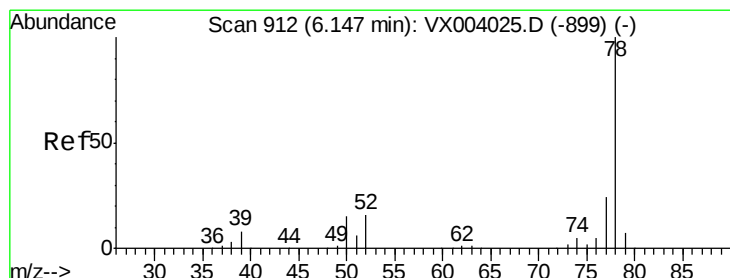
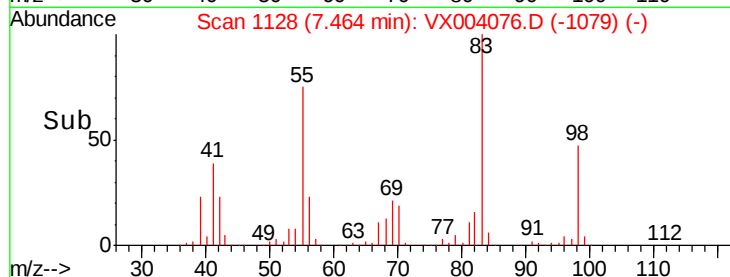
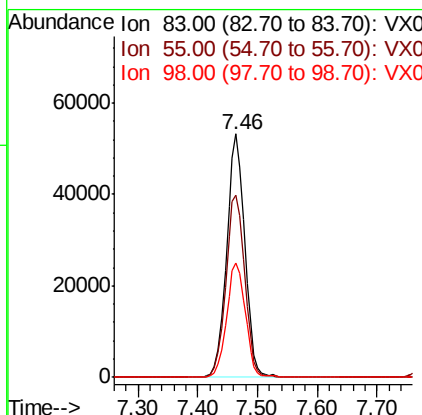
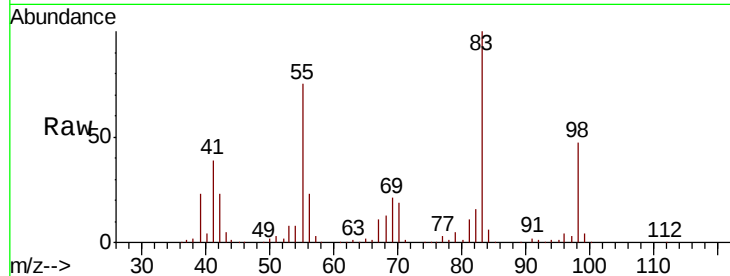
#39
Methvlcvclohexane
Concen: 19.31 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.0	91.6
98	47.2	38.6	57.8

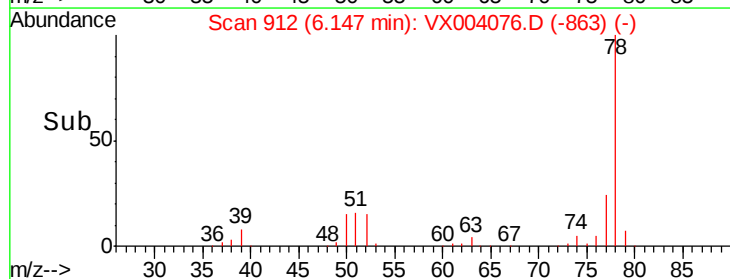
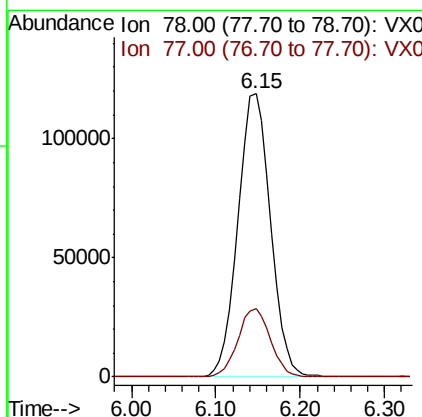
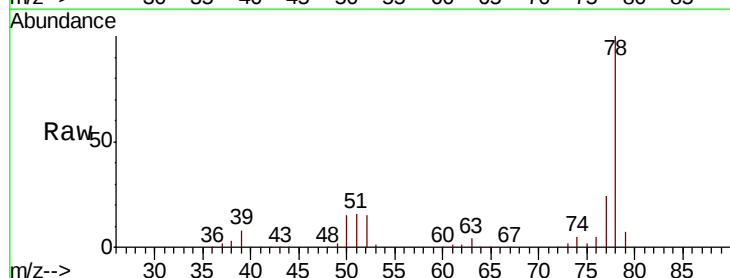
Manual Integrations
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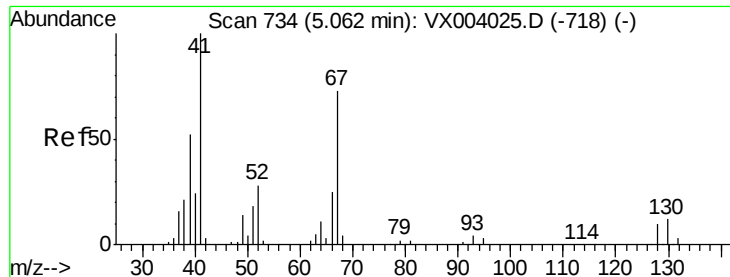
MMDadoda
8/16/2018 4:39:15 PM



#40
Benzene
Concen: 20.09 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





#41

Methacrylonitrile

Concen: 19.99 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 41 Resp: 62774

Ion Ratio Lower Upper

41 100

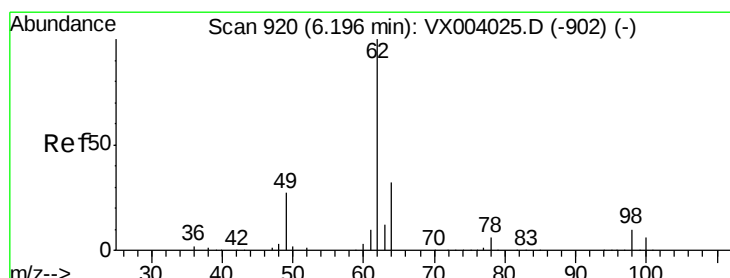
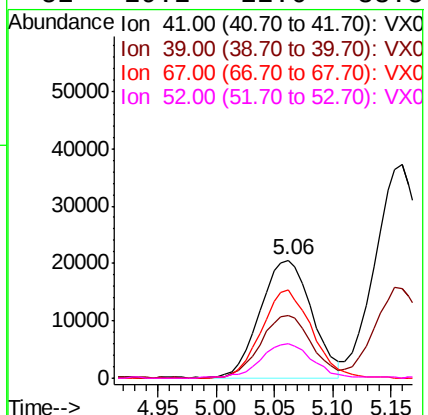
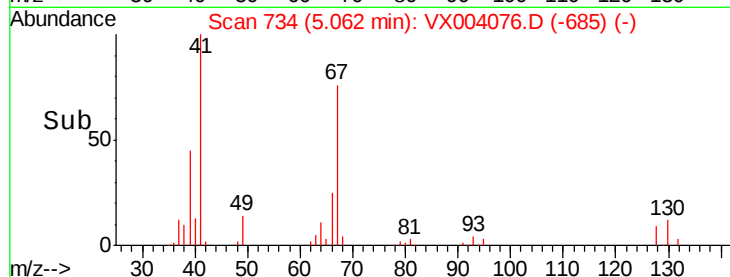
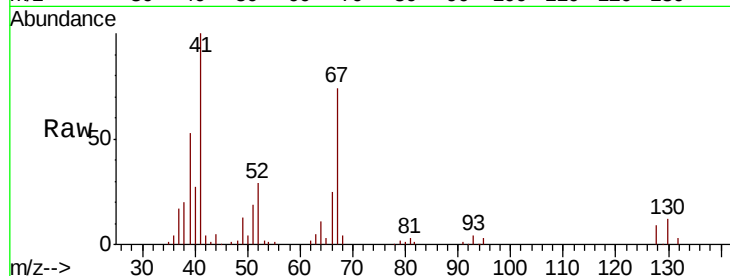
39 52.5 42.7 64.1

67 73.8 58.9 88.3

52 29.2 22.6 33.8

Manual Integrations
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8/16/2018 4:39:15 PM



#42

1,2-Dichloroethane

Concen: 20.08 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.01 min

Lab File: VX004076.D

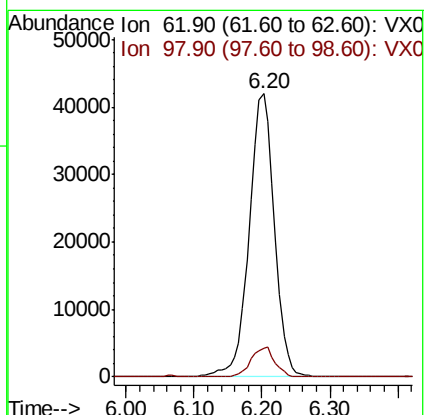
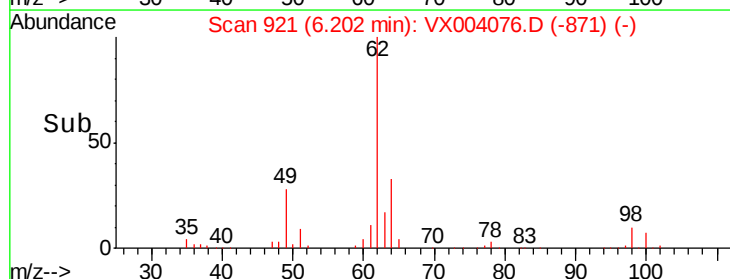
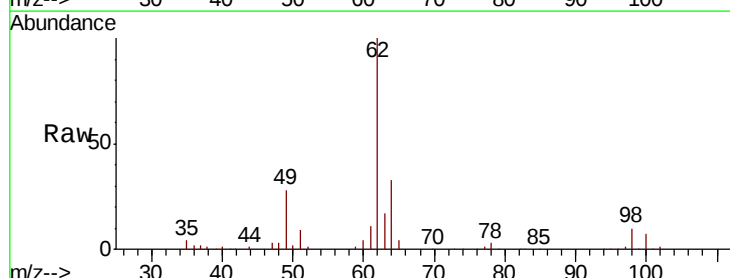
Acq: 15 Aug 2018 16:54

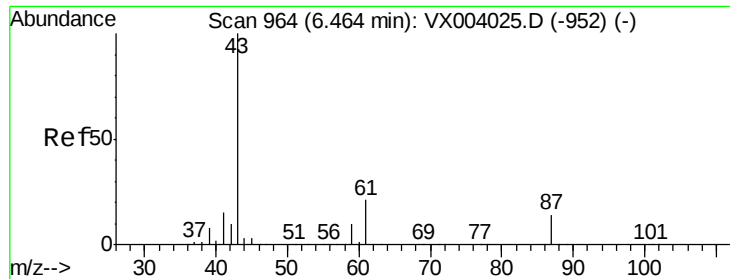
Tgt Ion: 62 Resp: 108655

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.4





#43

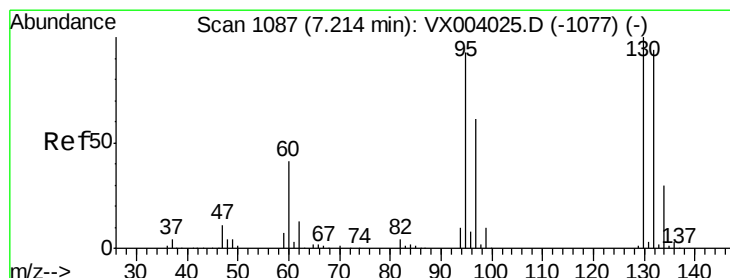
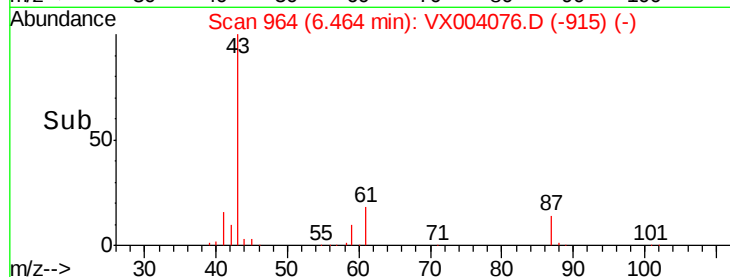
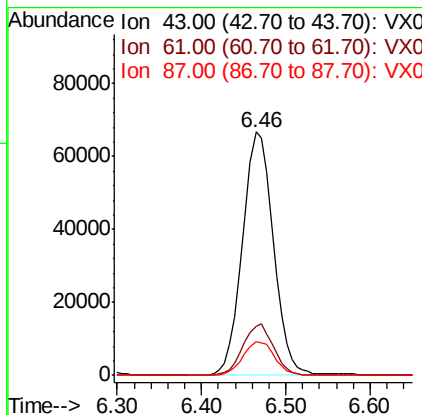
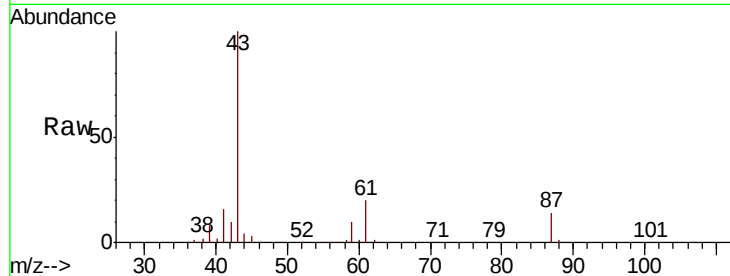
Isopropyl Acetate
 Concen: 20.03 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.9	25.3
87	14.0	11.3	16.9

Manual Integrations
 APPROVED

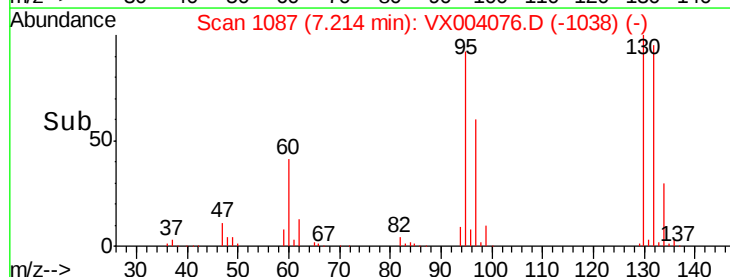
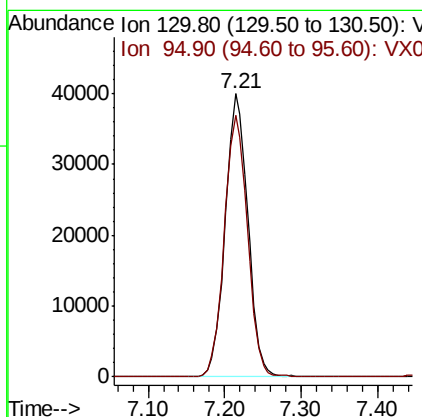
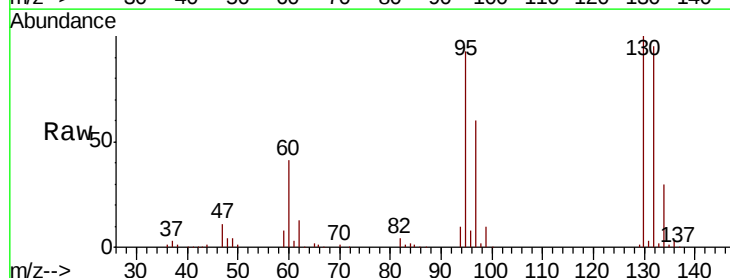
MMDadoda
 8/16/2018 4:39:15 PM

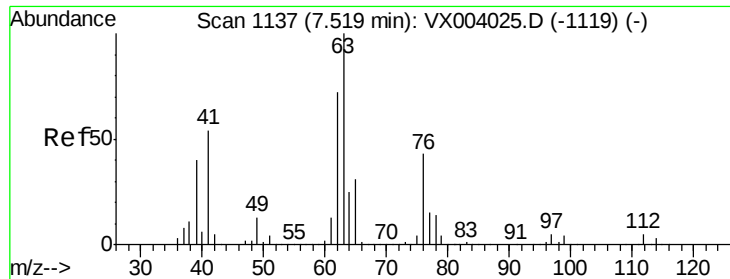


#44

Trichloroethene
 Concen: 19.54 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	199.4





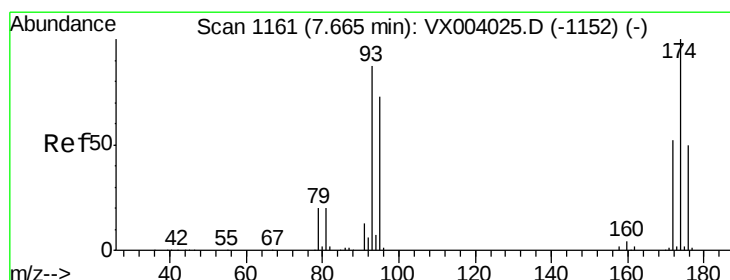
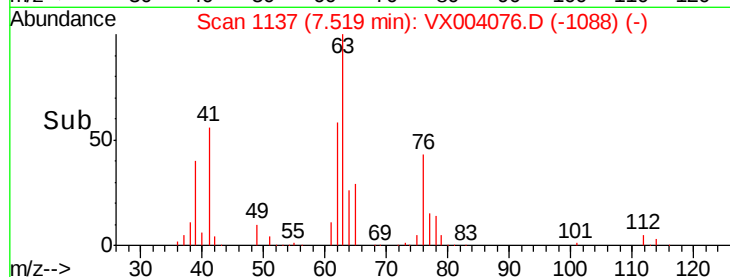
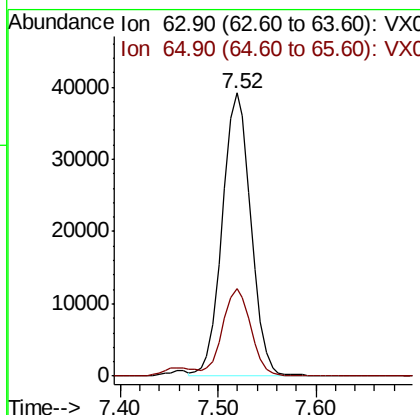
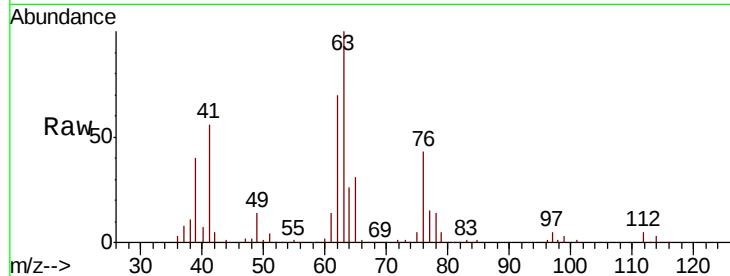
#45
 1,2-Dichloropropane
 Concen: 20.05 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion: 63 Resp: 79326
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8

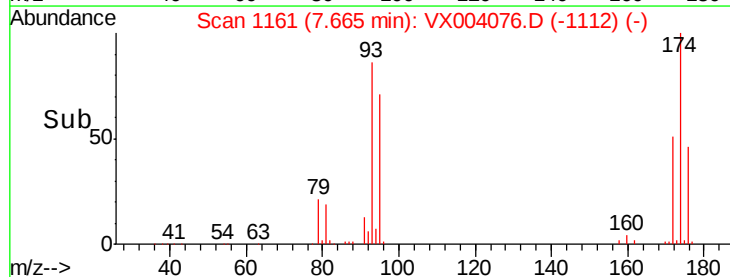
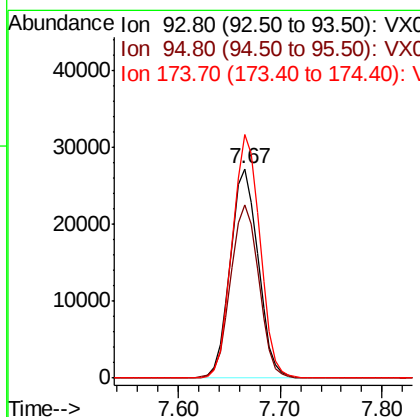
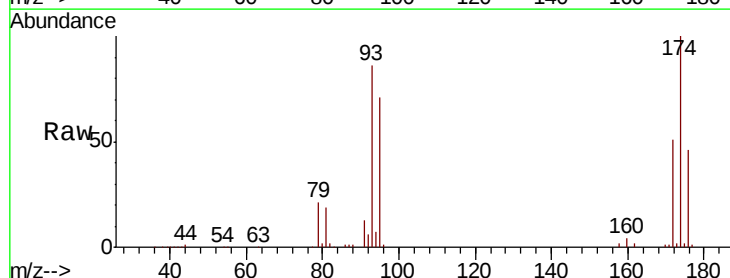
Manual Integrations
 APPROVED

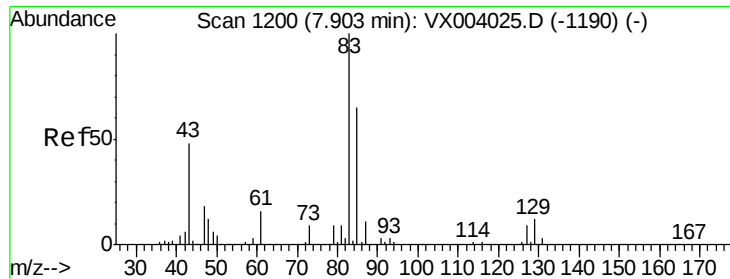
MMDadoda
 8/16/2018 4:39:15 PM



#46
 Dibromomethane
 Concen: 19.98 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion: 93 Resp: 51675
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.4 99.6
 174 115.7 94.3 141.5





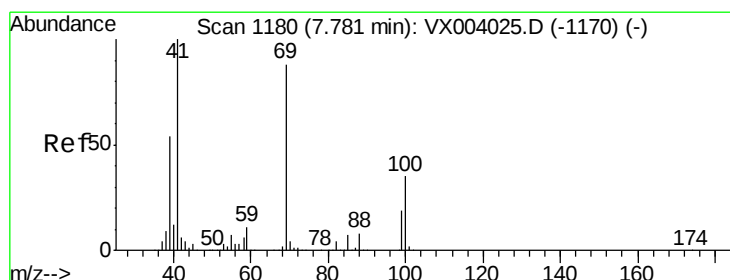
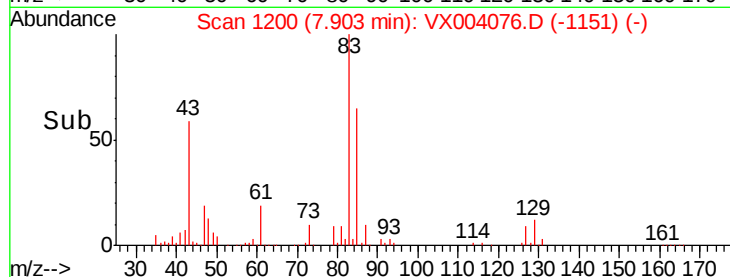
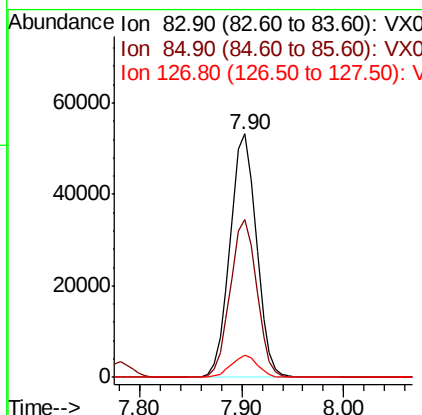
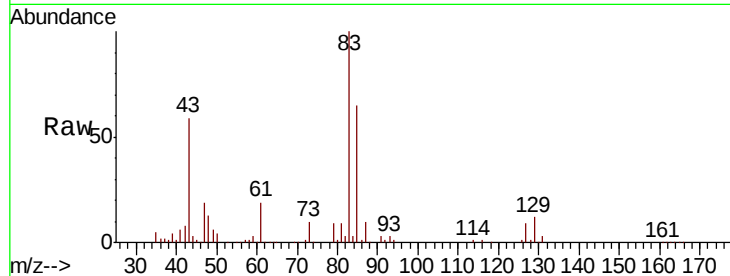
#47
 Bromodichloromethane
 Concen: 19.47 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion	83	Resp	95346
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.2	76.8
127	9.1	7.2	10.8

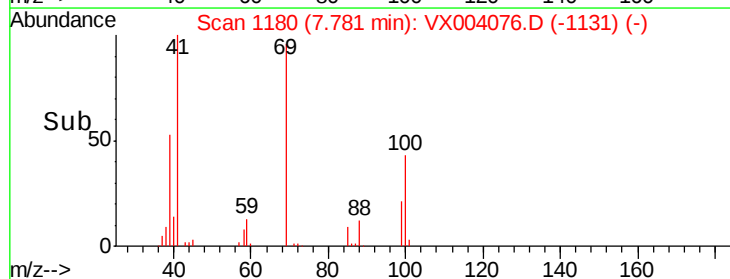
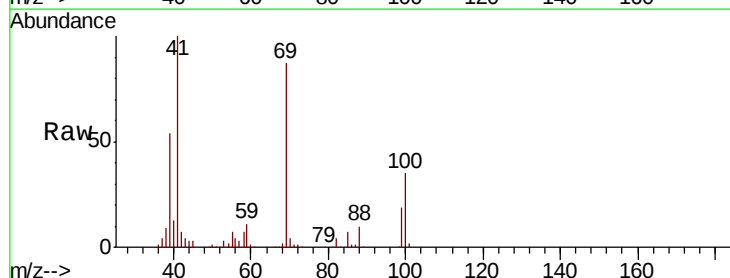
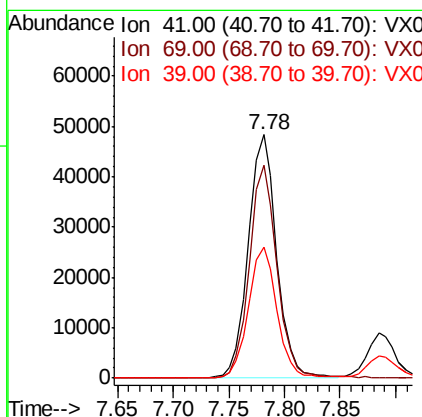
Manual Integrations
 APPROVED

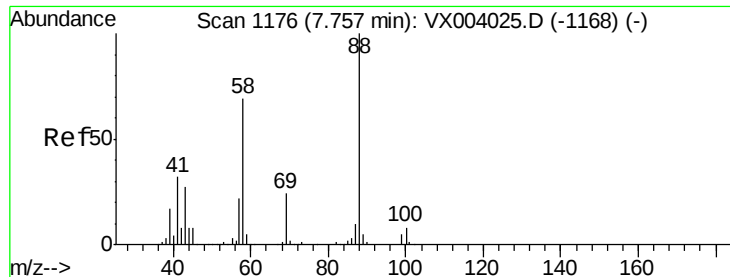
MMDadoda
 8/16/2018 4:39:15 PM



#48
 Methyl methacrylate
 Concen: 20.59 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	41	Resp	85660
Ion Ratio	100	Lower	Upper
41	100		
69	86.2	68.8	103.2
39	54.0	42.3	63.5





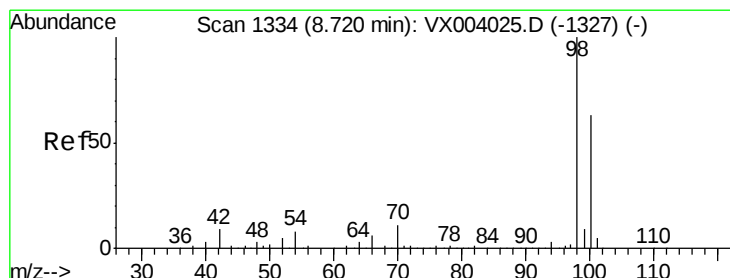
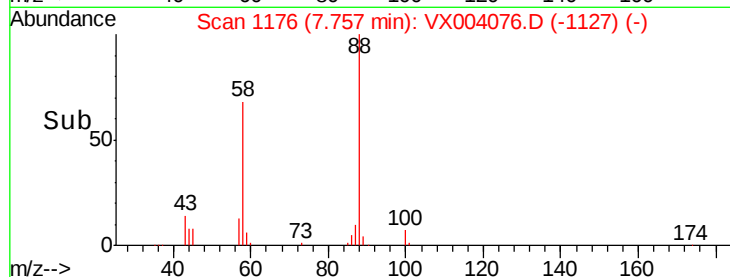
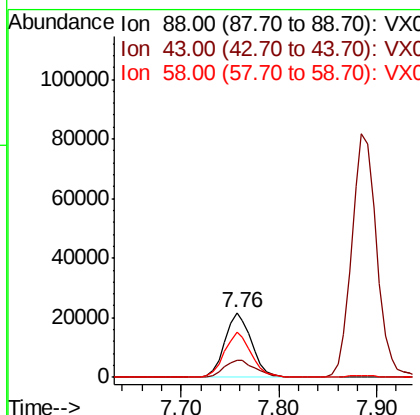
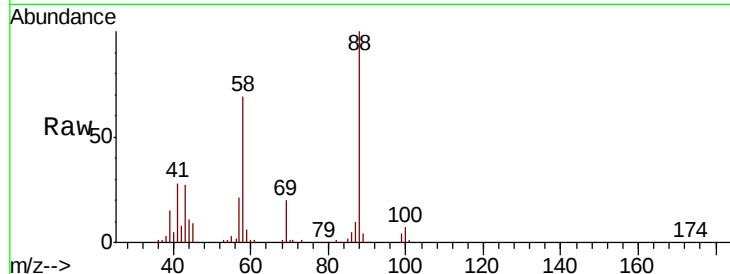
#49
1,4-Dioxane
Concen: 438.01 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	23.8	35.8
58	70.7	55.4	83.0

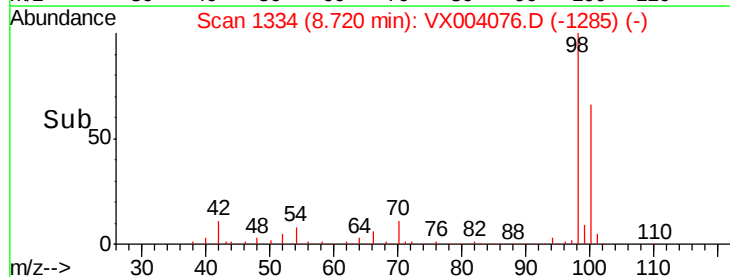
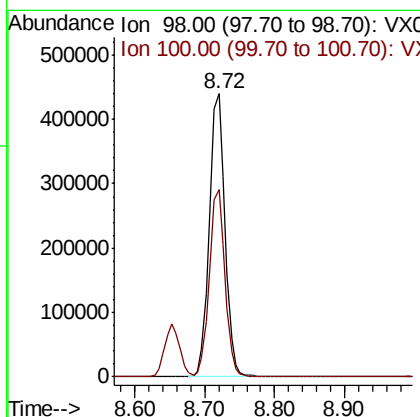
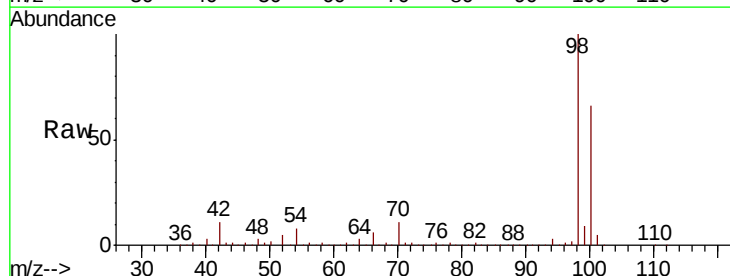
Manual Integrations
APPROVED

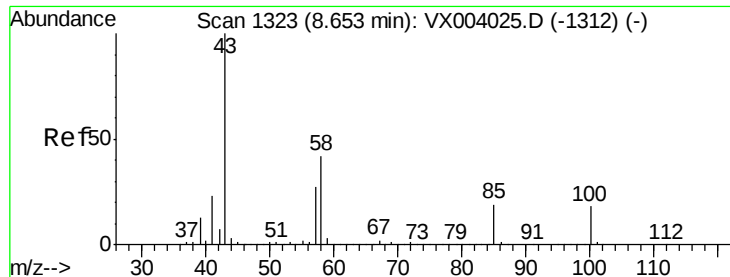
MMDadoda
8/16/2018 4:39:15 PM



#50
Toluene-d8
Concen: 50.00 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.3	79.9





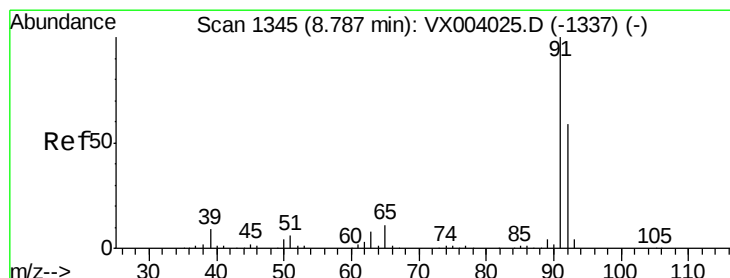
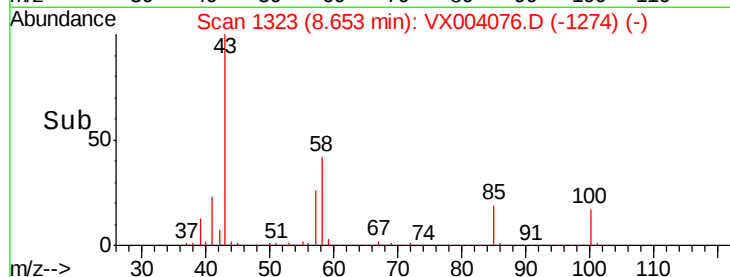
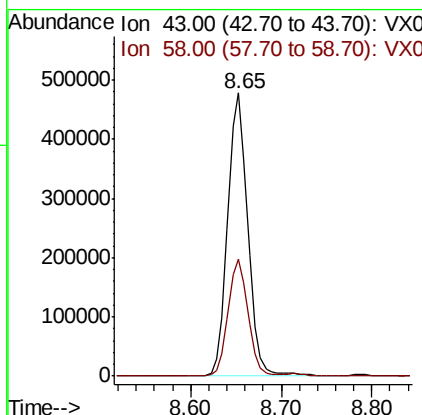
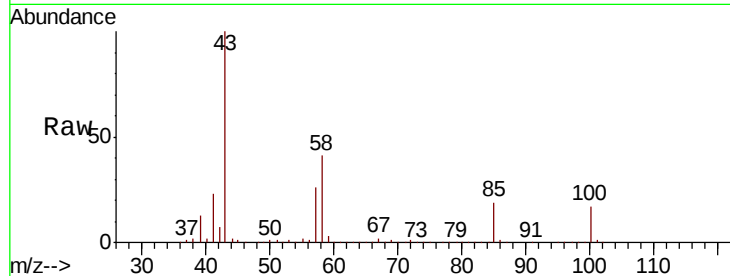
#51
4-Methyl-2-Pentanone
Concen: 108.77 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.0	49.6

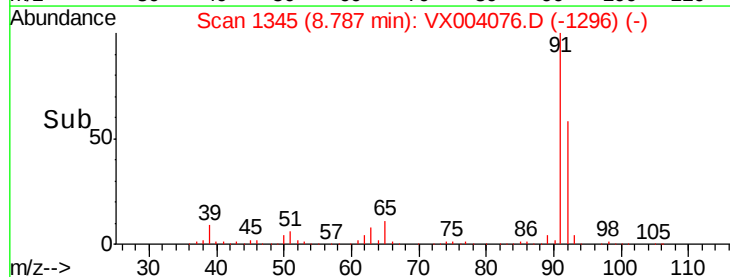
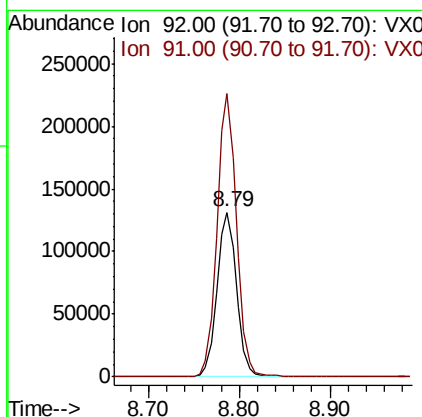
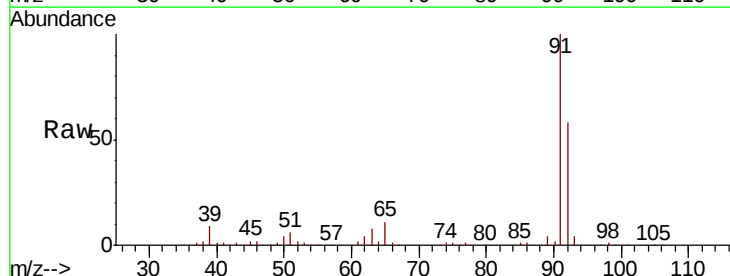
Manual Integrations
APPROVED

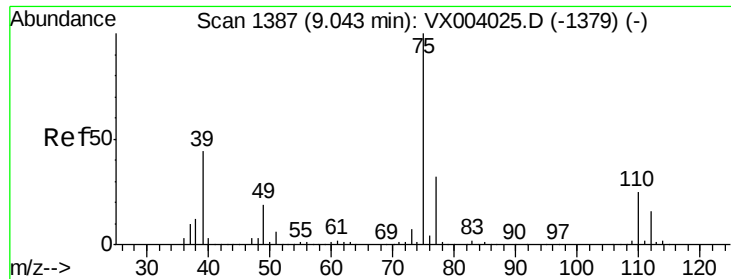
MMDadoda
8/16/2018 4:39:15 PM



#52
Toluene
Concen: 20.36 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.4	136.1	204.1





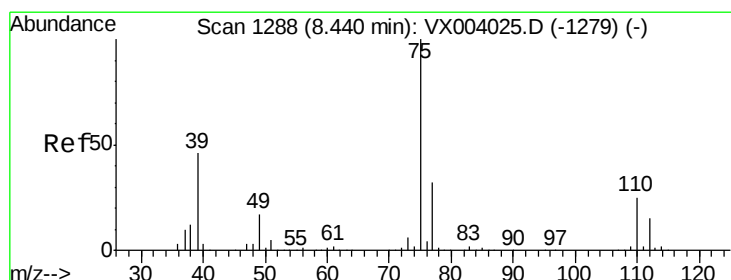
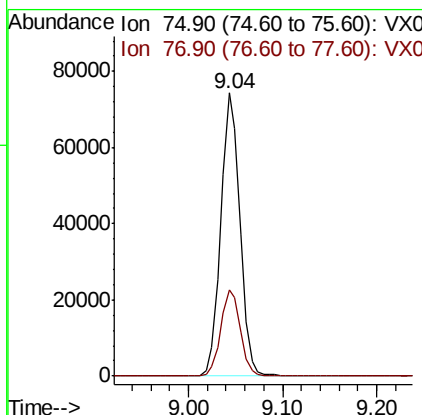
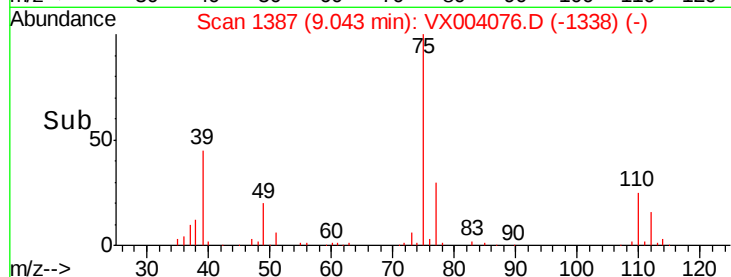
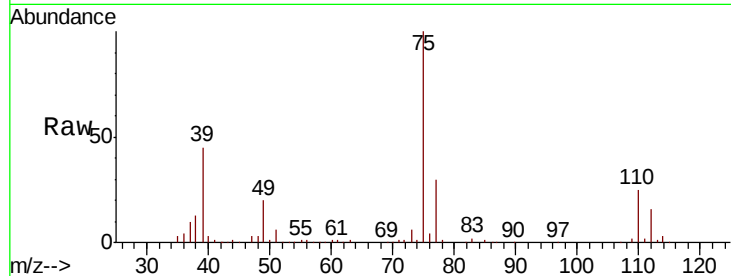
#53
t-1,3-Dichloropropene
Concen: 19.73 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion: 75 Resp: 104374
Ion Ratio Lower Upper
75 100
77 30.3 25.1 37.7

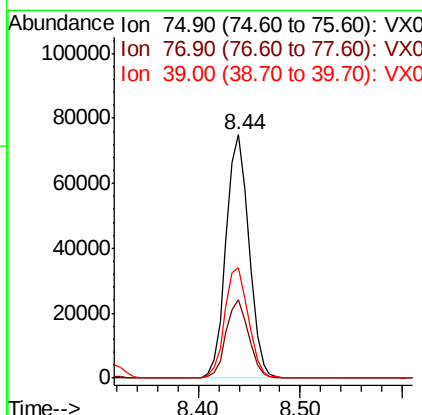
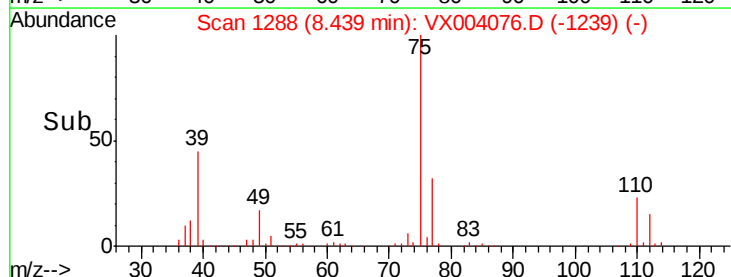
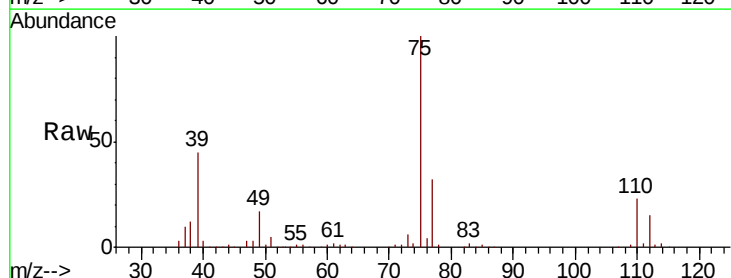
Manual Integrations
APPROVED

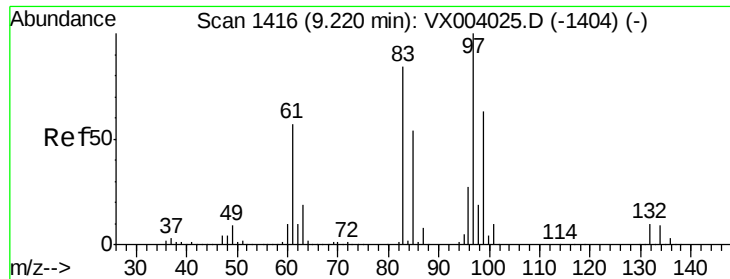
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.96 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 75 Resp: 116965
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9
39 45.1 36.2 54.2





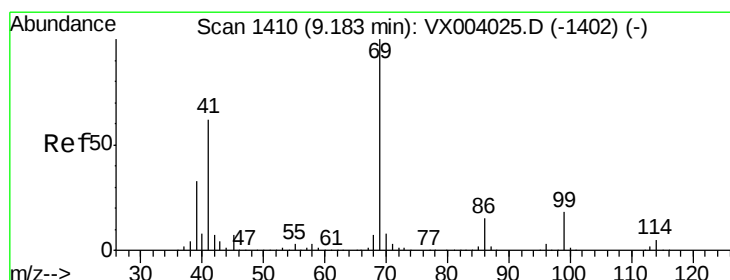
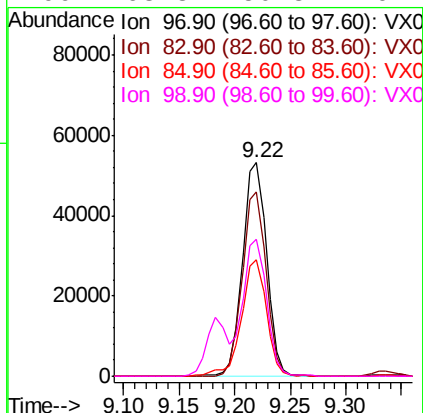
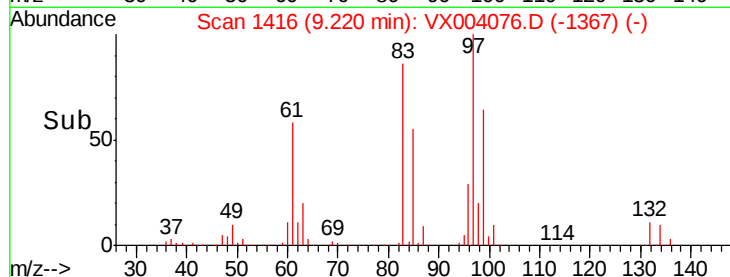
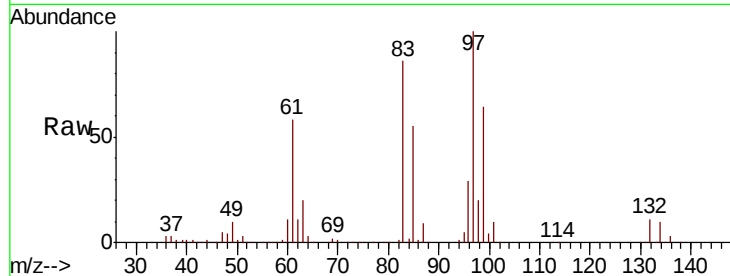
#55
 1,1,2-Trichloroethane
 Concen: 19.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80385		
83	86.2	67.8	101.6		
85	54.7	44.2	66.2		
99	63.8	50.8	76.2		

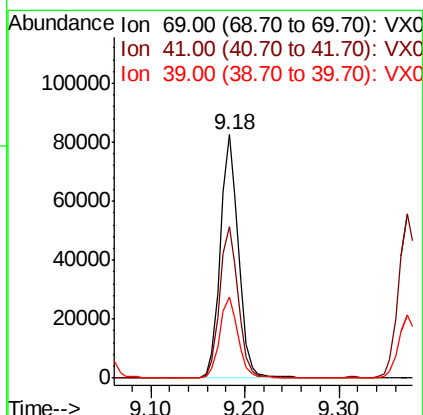
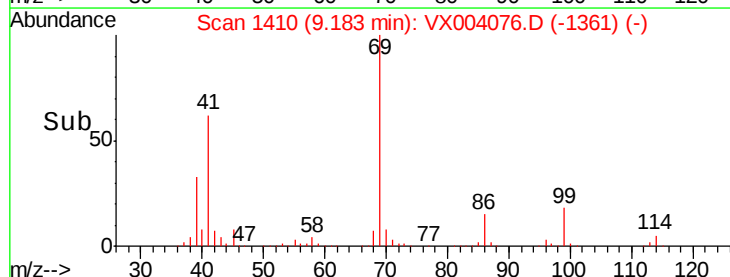
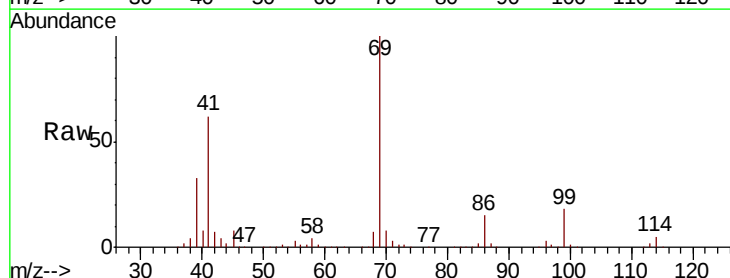
Manual Integrations
 APPROVED

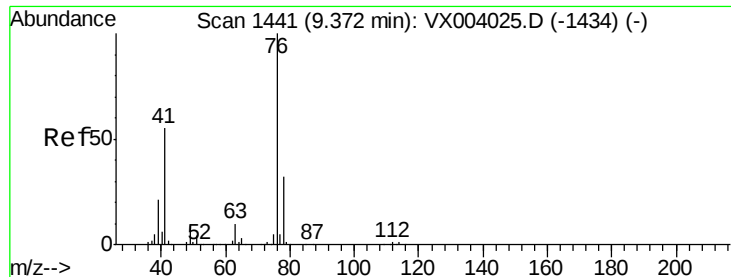
MMDadoda
 8/16/2018 4:39:15 PM



#56
 Ethyl methacrylate
 Concen: 20.06 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		110115		
41	63.7	50.6	76.0		
39	33.5	25.8	38.6		





#57

1,3-Dichloropropane

Concen: 20.31 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 76 Resp: 136008

Ion Ratio Lower Upper

76 100

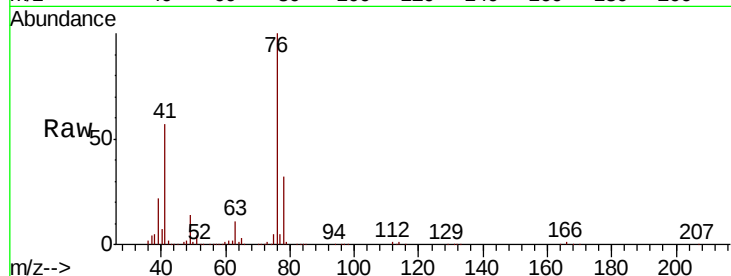
78 32.3 25.9 38.9

Manual Integrations

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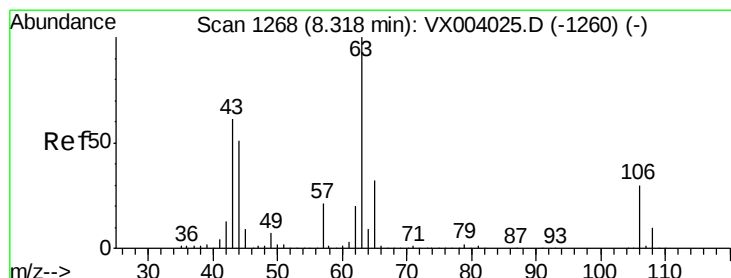
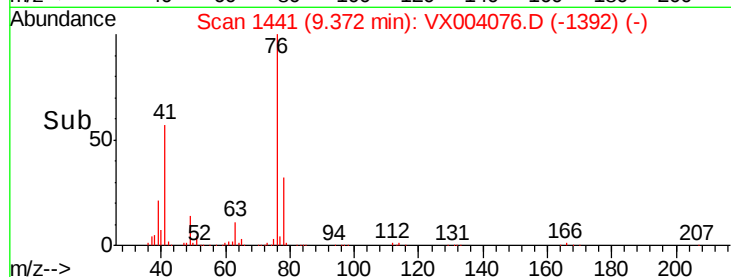
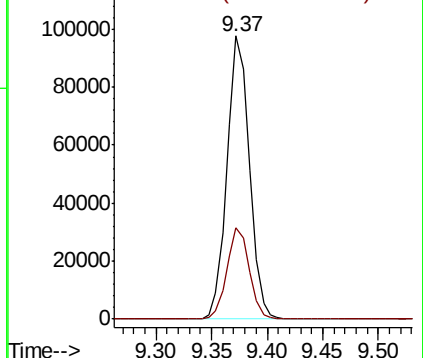
MMDadoda

8/16/2018 4:39:15 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 109.03 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004076.D

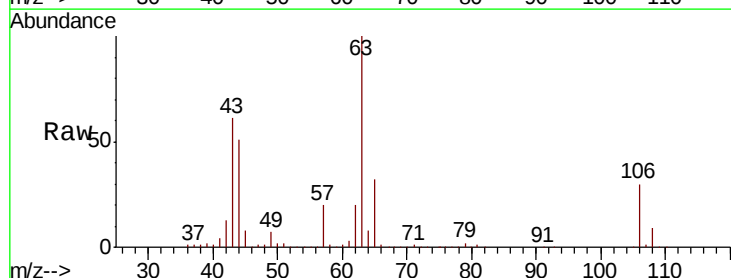
Acq: 15 Aug 2018 16:54

Tgt Ion: 63 Resp: 304769

Ion Ratio Lower Upper

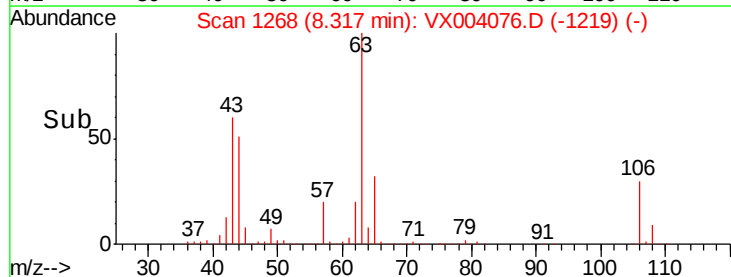
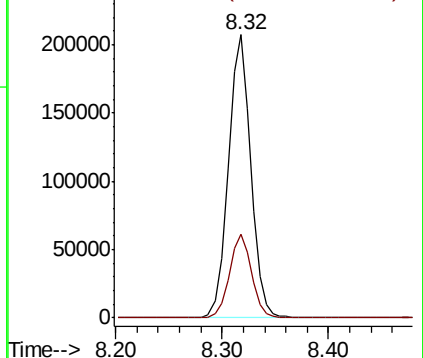
63 100

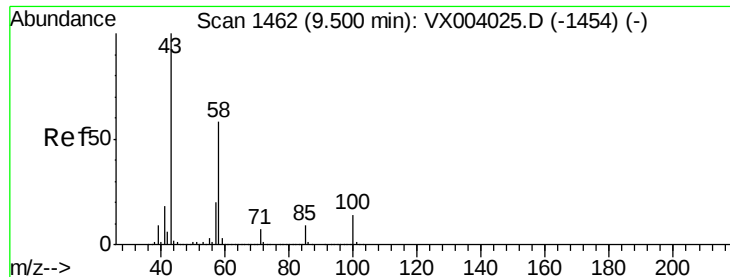
106 29.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





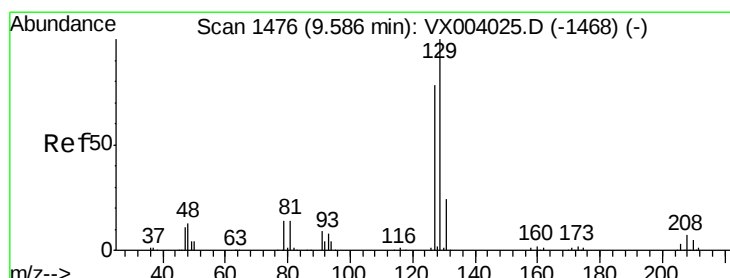
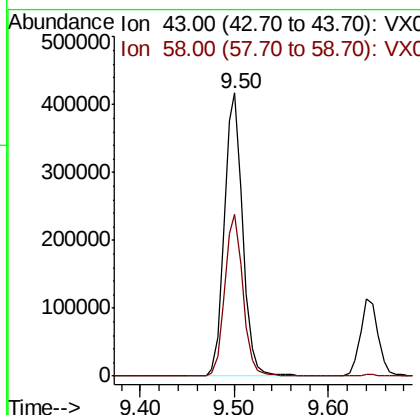
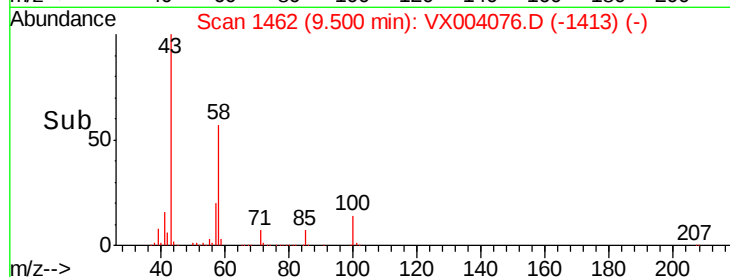
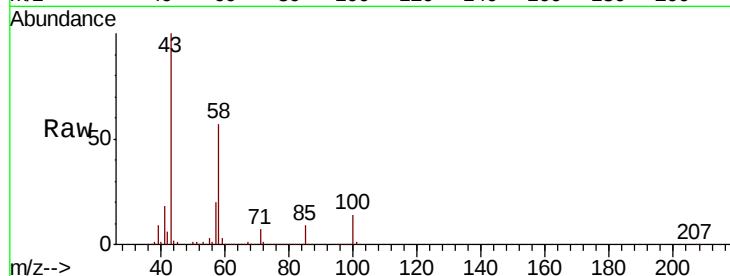
#59
2-Hexanone
Concen: 109.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion: 43 Resp: 559975
Ion Ratio Lower Upper
43 100
58 57.0 29.0 87.0

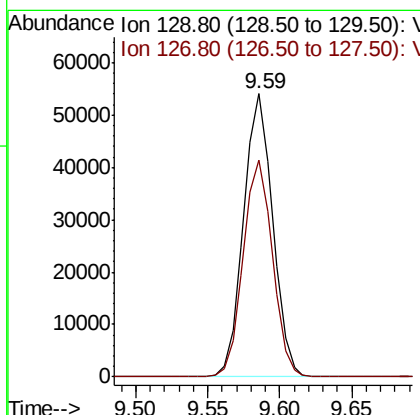
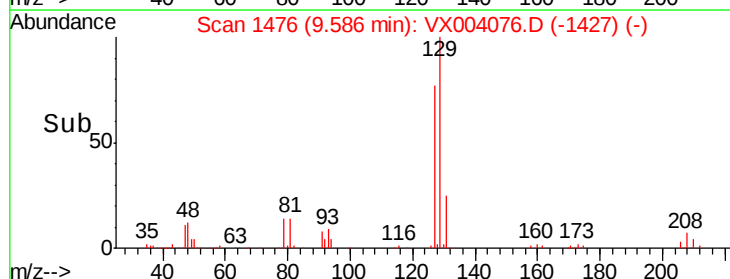
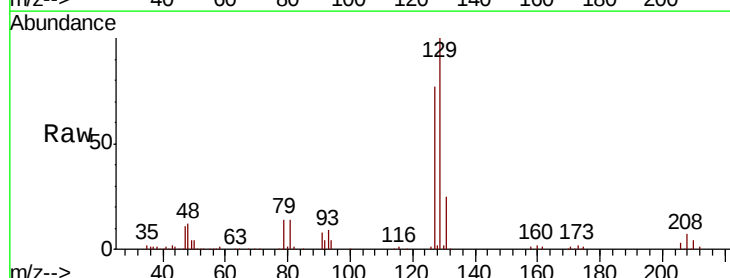
Manual Integrations
APPROVED

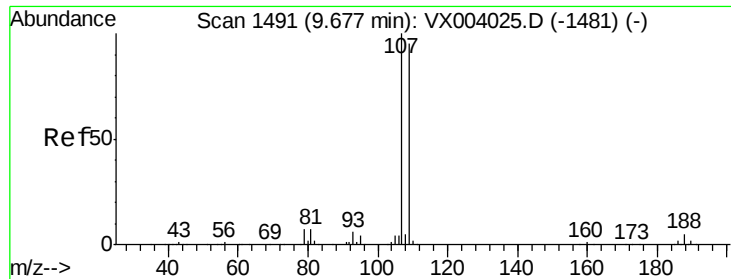
MMDadoda
8/16/2018 4:39:15 PM



#60
Dibromochloromethane
Concen: 19.52 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 129 Resp: 75822
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.30 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion:107 Resp: 83545

Ion Ratio Lower Upper

107 100

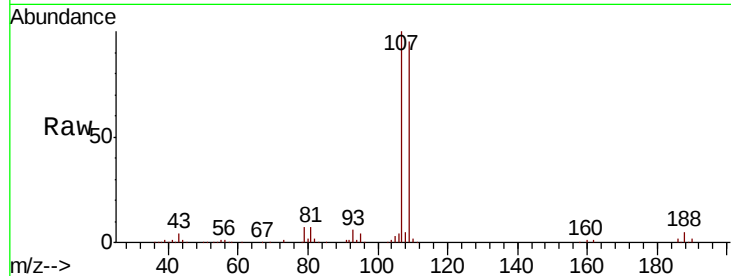
109 93.2 75.8 113.8

Manual Integrations

APPROVED

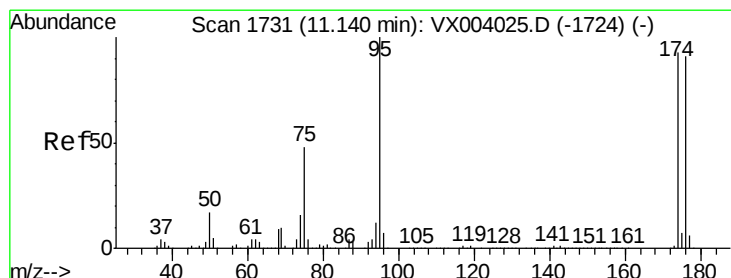
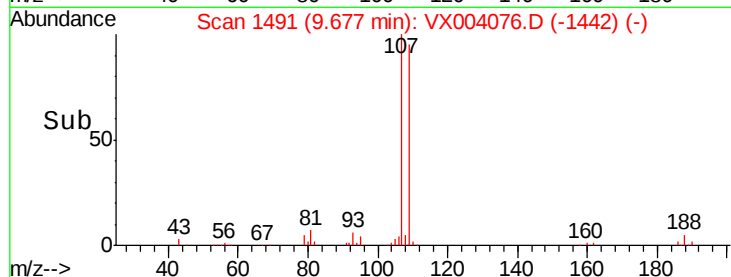
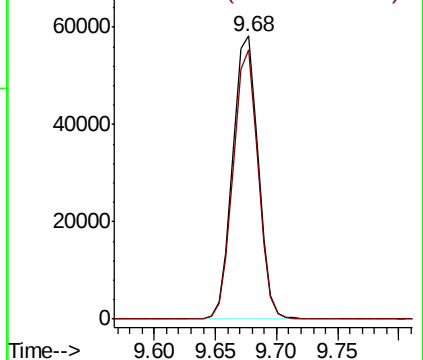
MMDadoda

8/16/2018 4:39:15 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

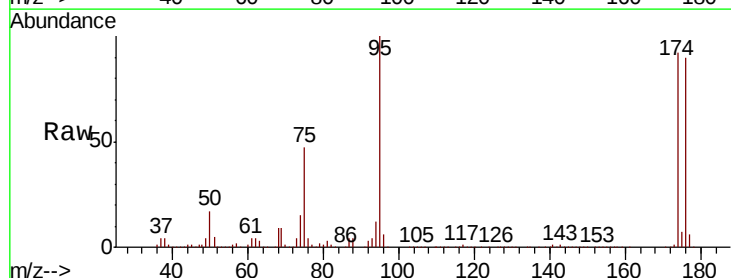
Tgt Ion: 95 Resp: 246214

Ion Ratio Lower Upper

95 100

174 89.7 0.0 182.8

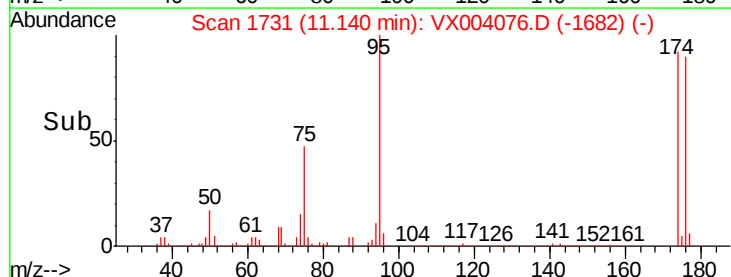
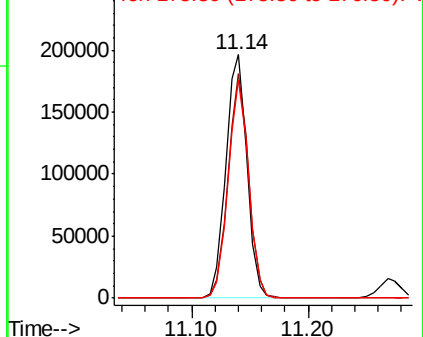
176 87.0 0.0 179.0

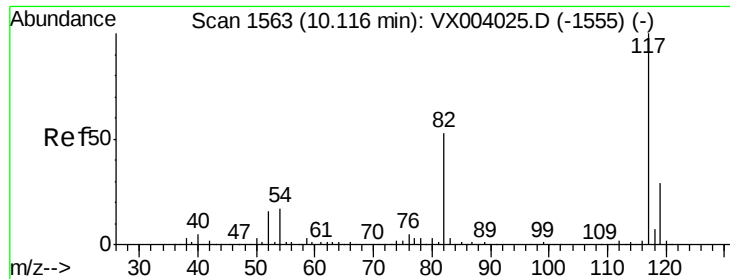


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





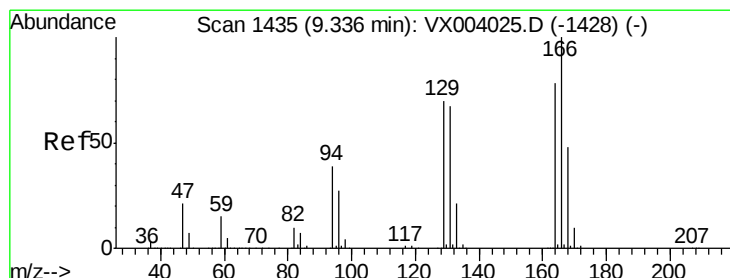
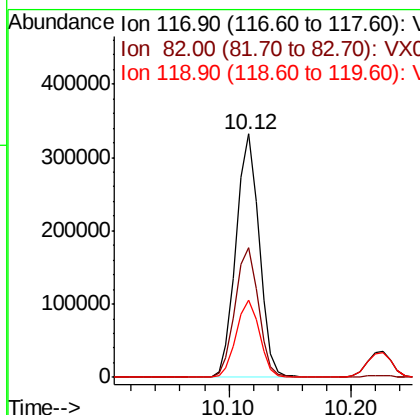
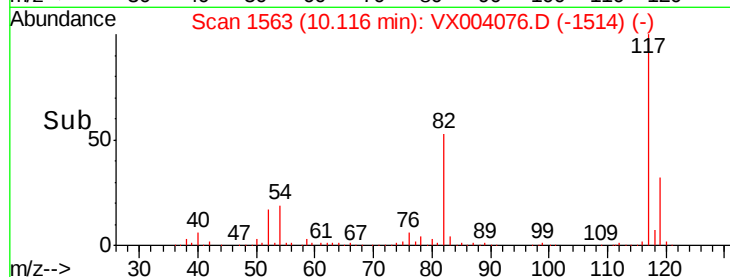
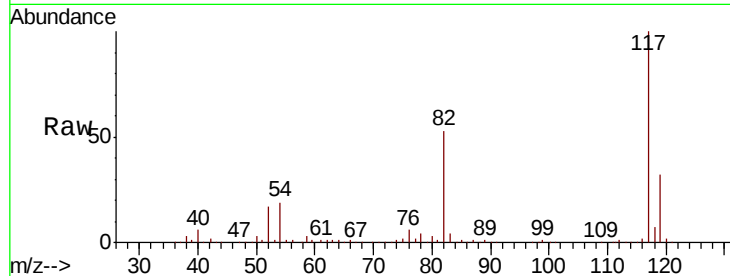
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.4	68.0
119	31.6	26.6	40.0

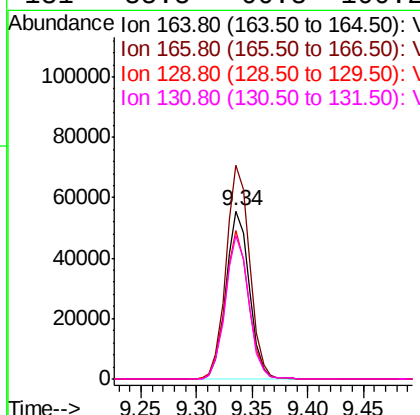
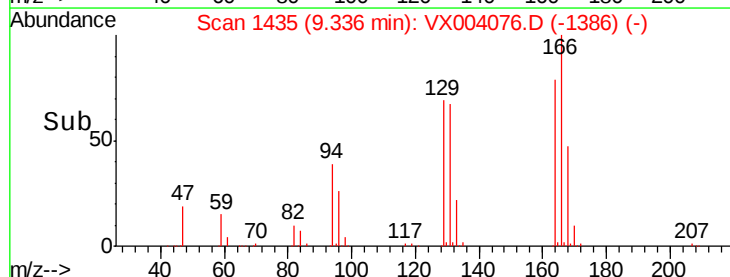
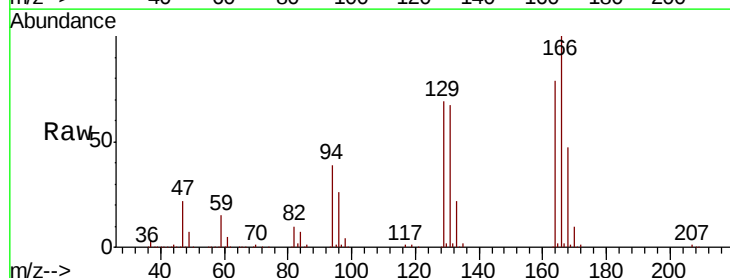
Manual Integrations
APPROVED

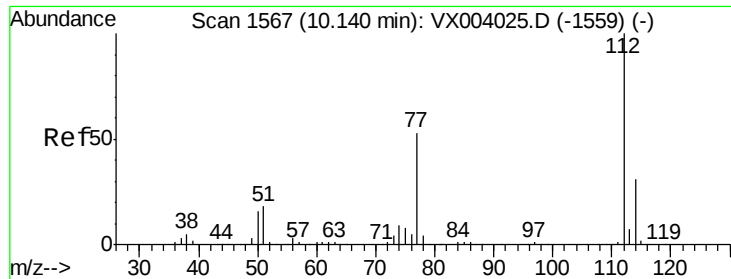
MMDadoda
8/16/2018 4:39:15 PM



#64
Tetrachloroethene
Concen: 19.55 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	98.0	147.0
129	88.3	64.3	96.5
131	85.5	66.8	100.2





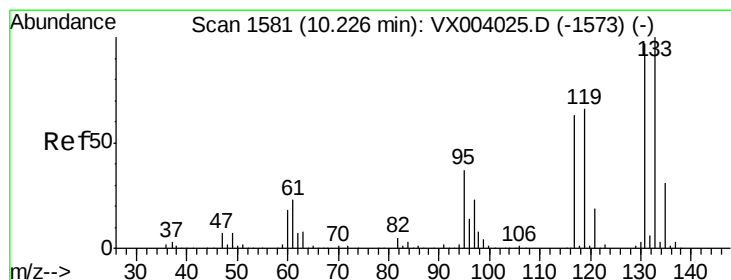
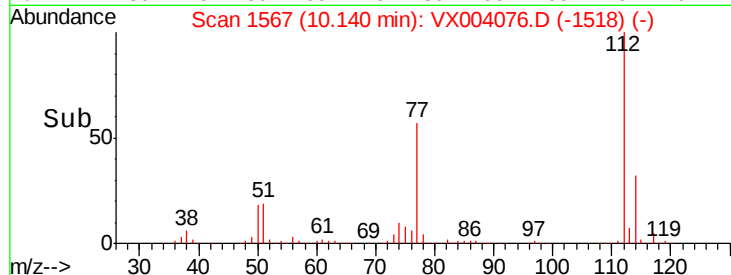
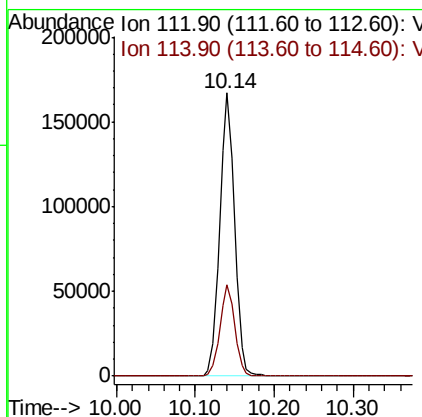
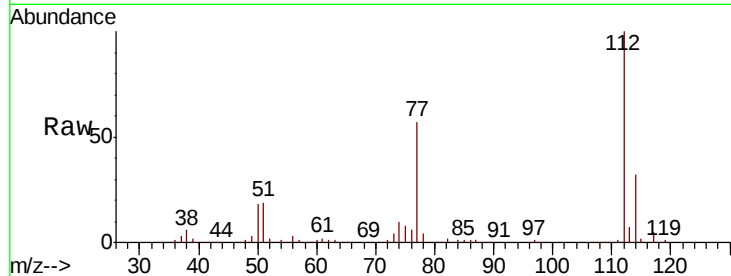
#65
Chlorobenzene
Concen: 19.59 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion:112 Resp: 220034
Ion Ratio Lower Upper
112 100
114 32.3 23.6 35.4

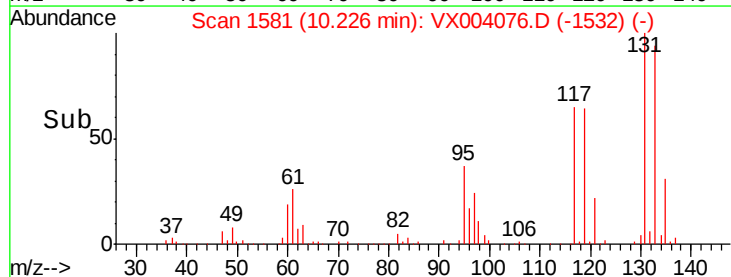
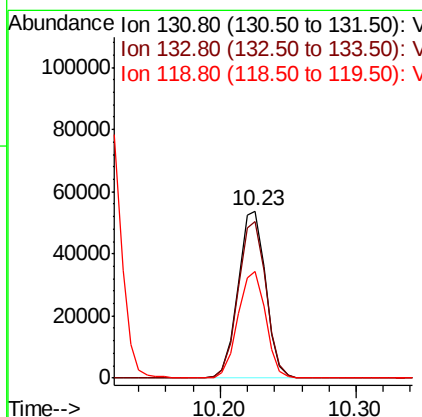
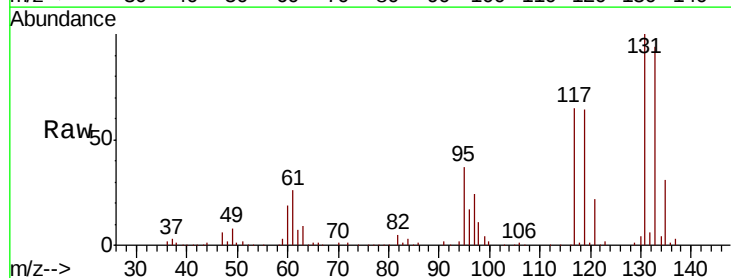
Manual Integrations
APPROVED

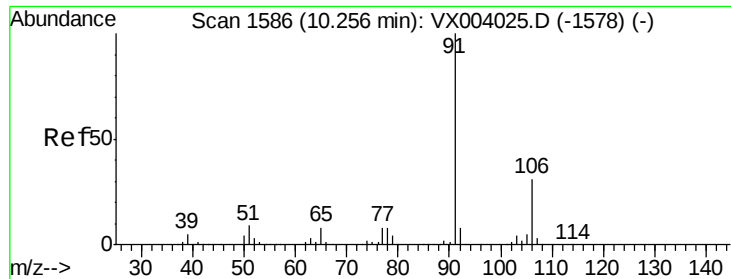
MMDadoda
8/16/2018 4:39:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.79 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion:131 Resp: 75789
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.8
119 64.2 31.6 94.8





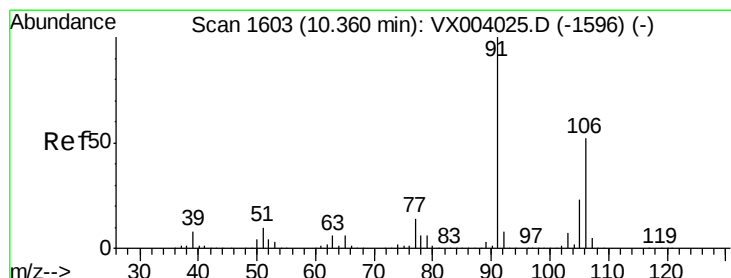
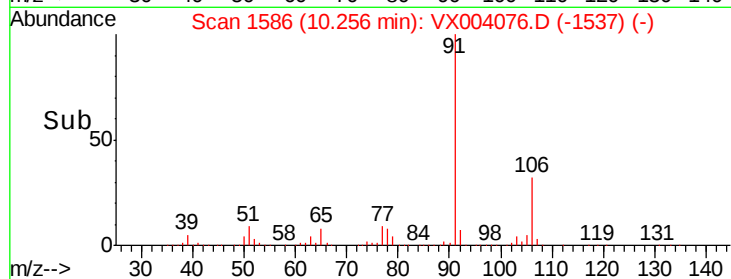
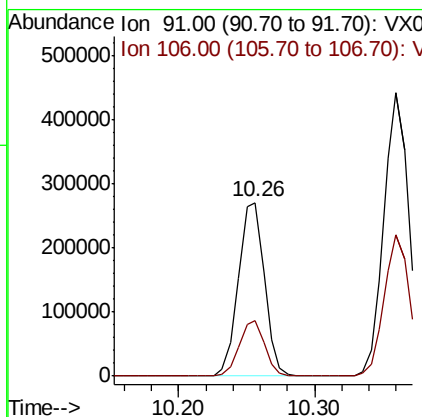
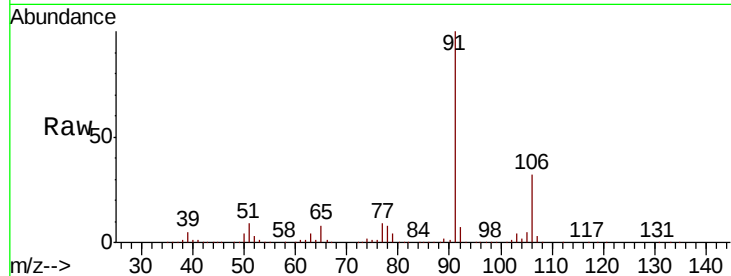
#67
Ethyl Benzene
Concen: 20.41 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion: 91 Resp: 362922
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9

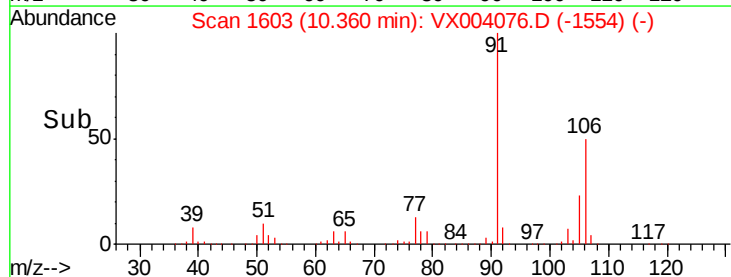
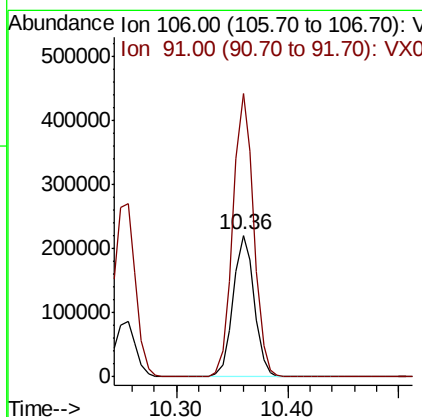
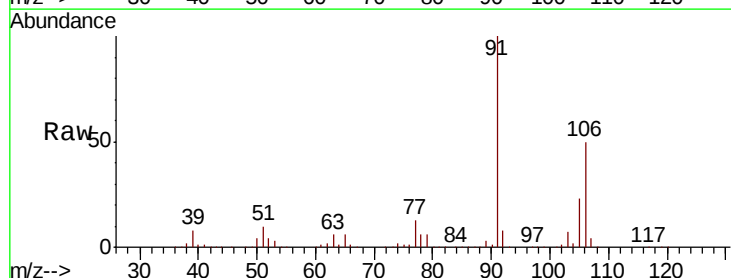
Manual Integrations
APPROVED

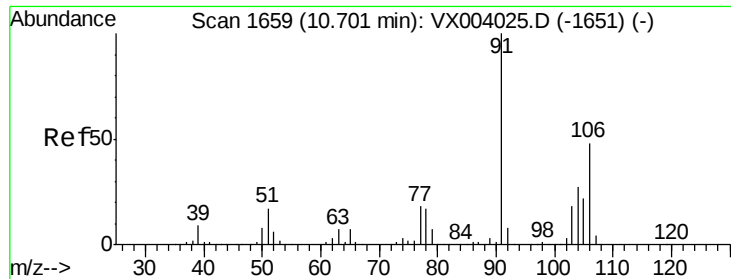
MMDadoda
8/16/2018 4:39:15 PM



#68
m/p-Xylenes
Concen: 41.27 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 106 Resp: 287413
Ion Ratio Lower Upper
106 100
91 198.8 162.3 243.5





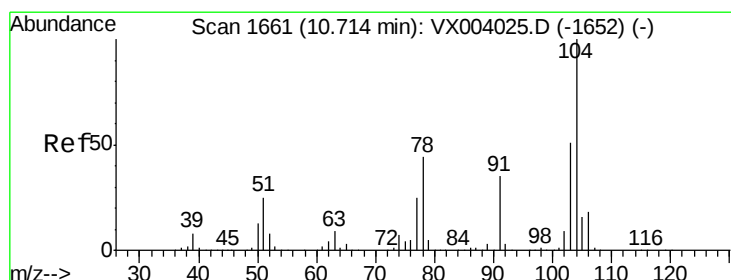
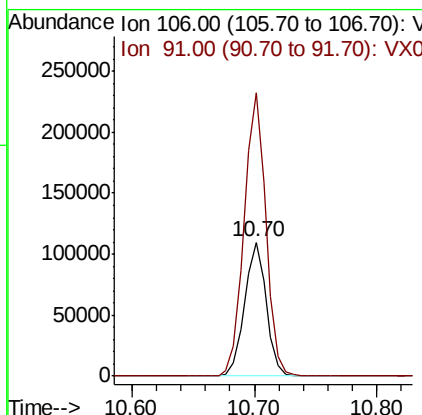
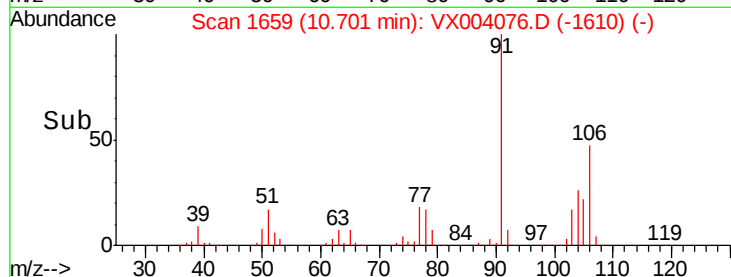
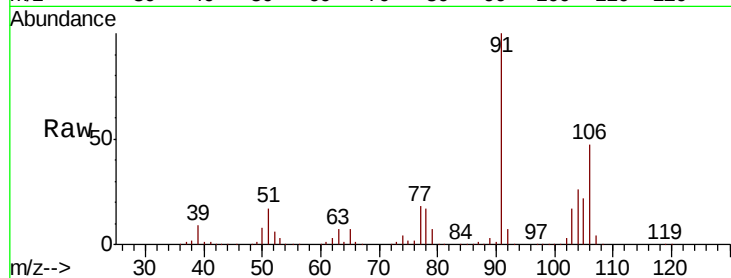
#69
o-Xylene
Concen: 20.18 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampled :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	101.9	305.7

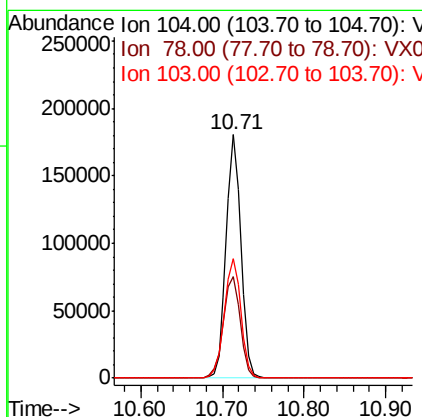
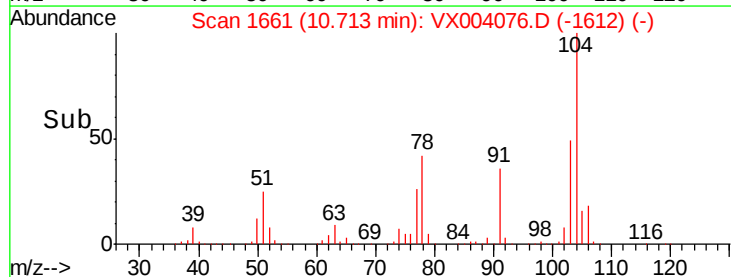
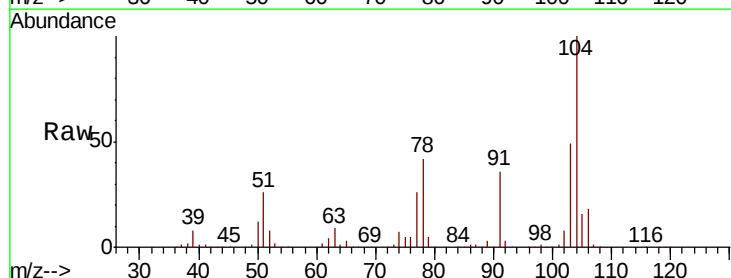
Manual Integrations
APPROVED

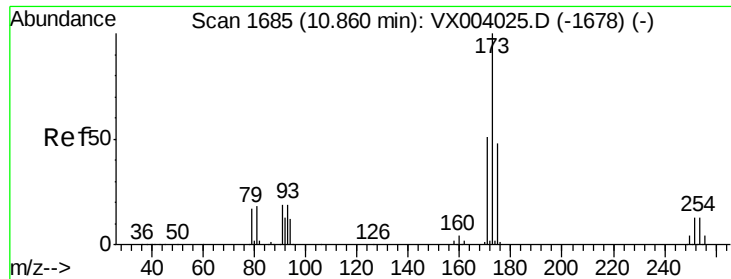
MMDadoda
8/16/2018 4:39:15 PM



#70
Styrene
Concen: 20.37 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.8	59.6
103	54.7	44.3	66.5





#71

Bromoform

Concen: 18.42 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion:173 Resp: 55934

Ion Ratio Lower Upper

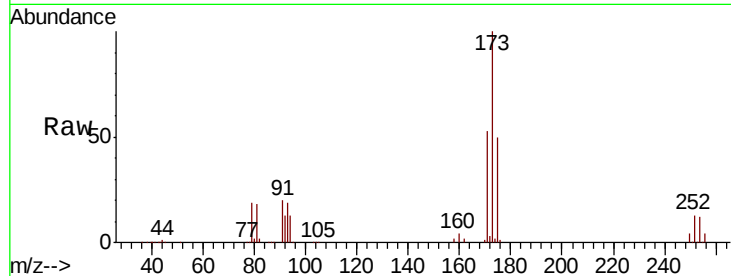
173 100

175 48.8 24.9 74.7

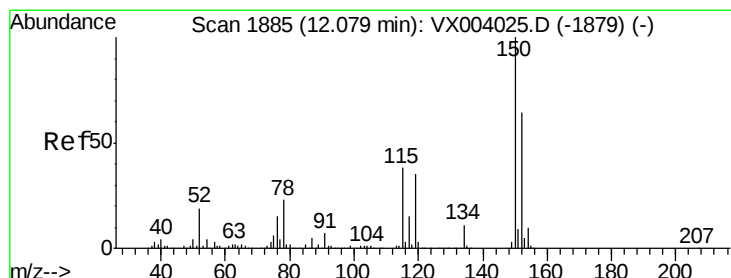
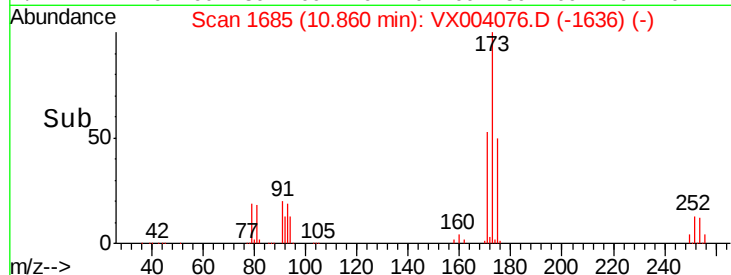
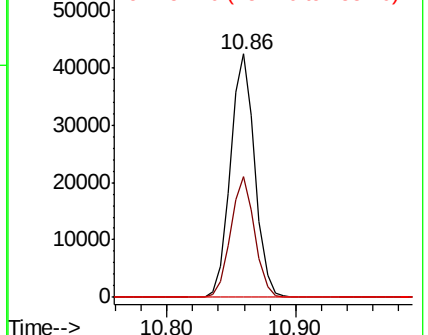
254 0.2 0.2 0.2

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:15 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

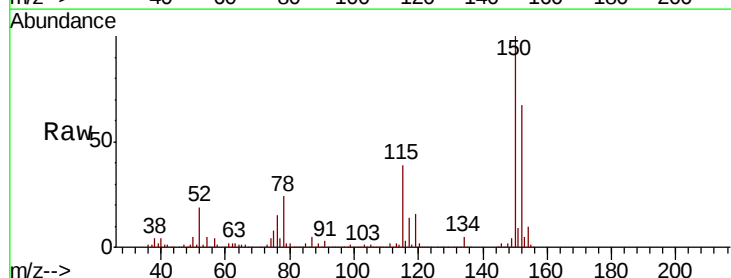
Tgt Ion:152 Resp: 245503

Ion Ratio Lower Upper

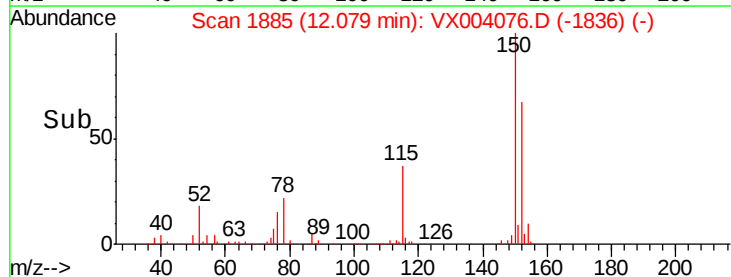
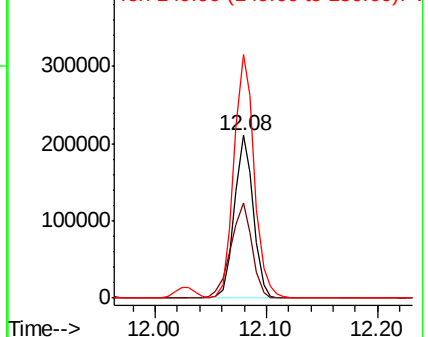
152 100

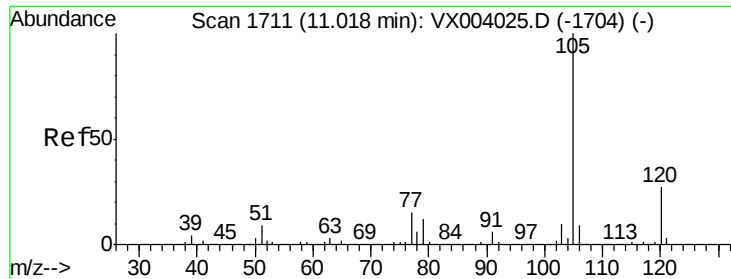
115 65.9 39.1 117.3

150 162.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.95 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 105 Resp: 364693

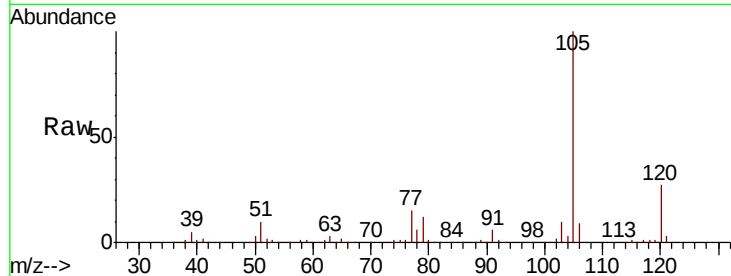
Ion Ratio Lower Upper

105 100

120 27.0 12.6 37.8

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

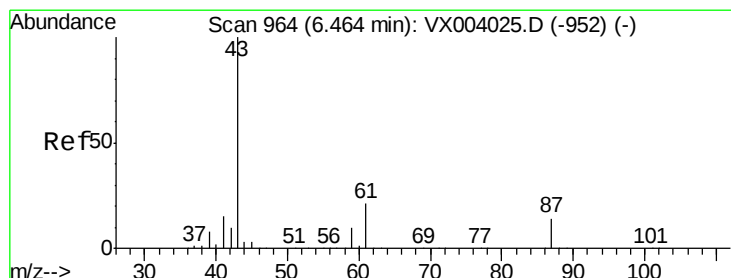
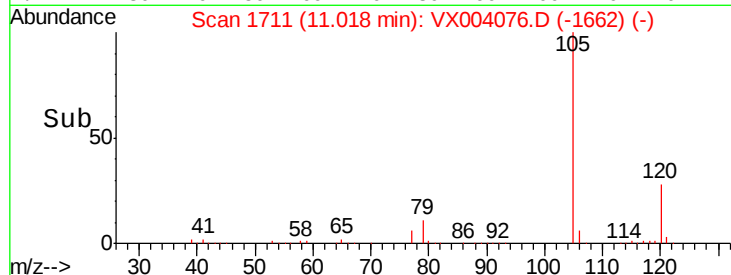
100000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 21.18 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Tgt Ion: 43 Resp: 165472

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.8 16.9 25.3

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

80000

60000

40000

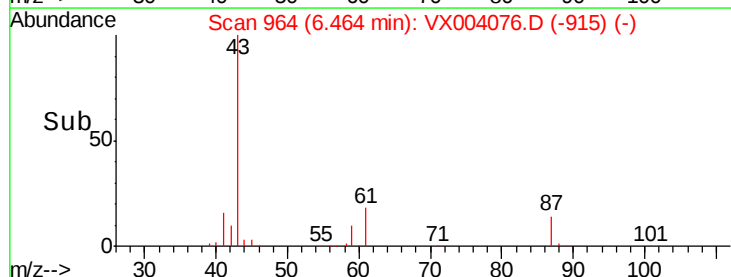
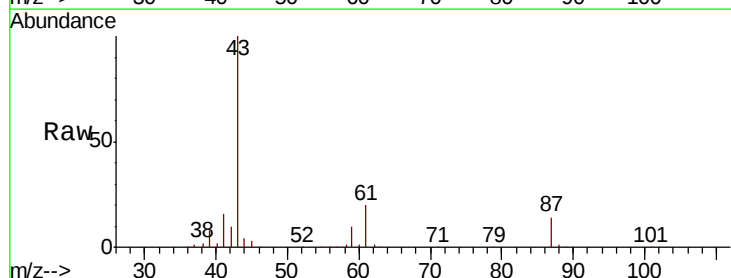
20000

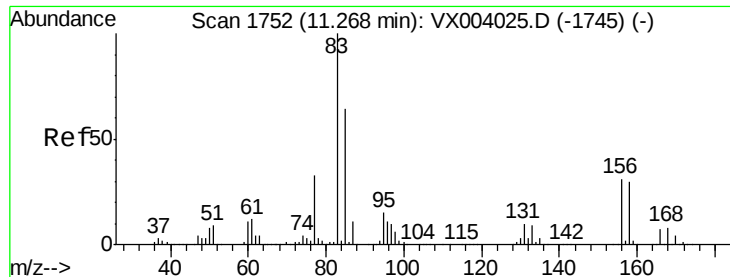
0

6.46

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.65 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

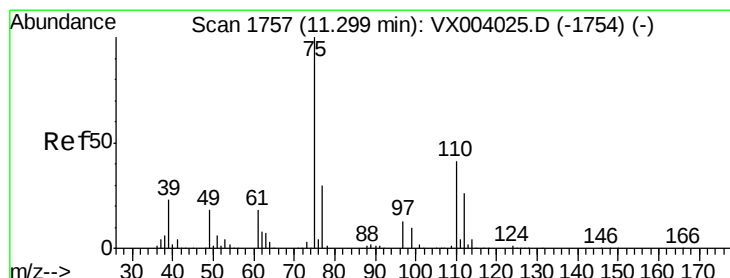
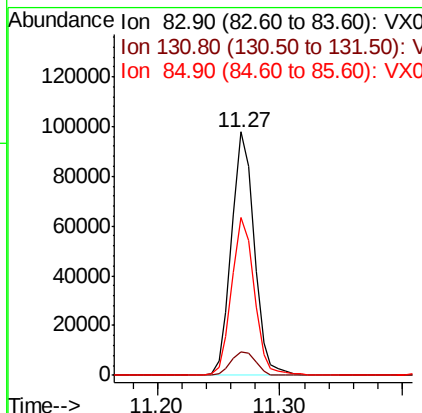
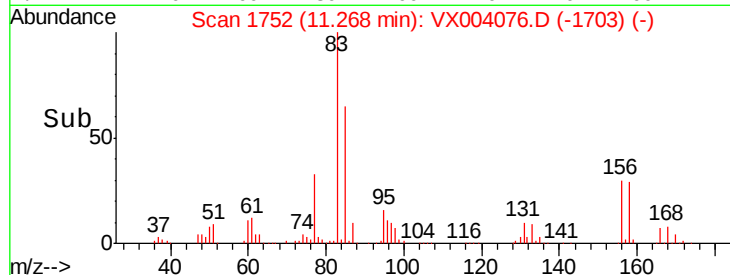
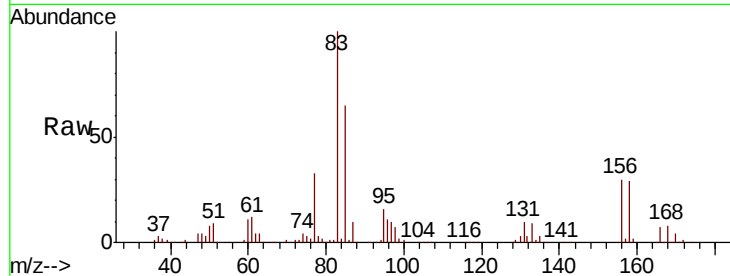
ClientSampleId :

VX0815WBSD01

Tot Ion:	83	Resp:	125612
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.6	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 22.95 ug/l m

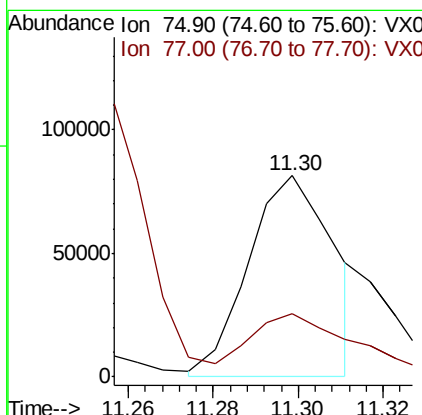
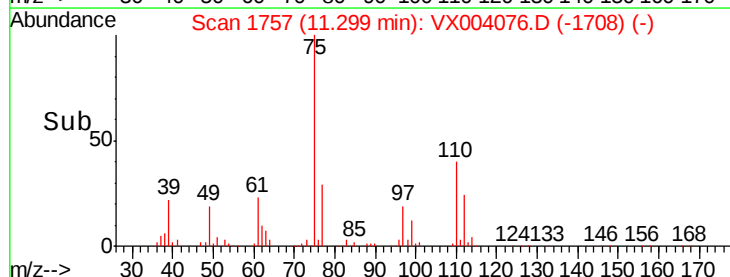
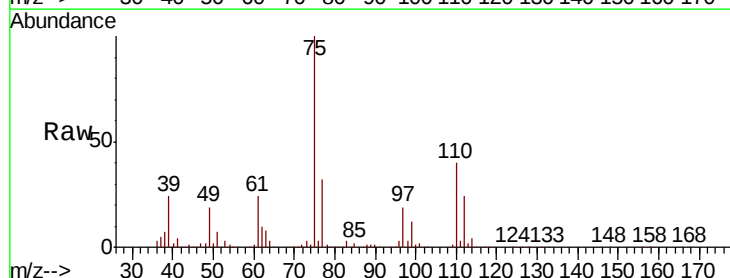
RT: 11.30 min Scan# 1757

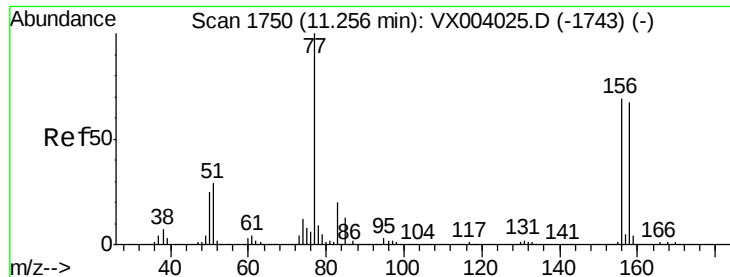
Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Tgt Ion:	75	Resp:	112983
Ion Ratio	Lower	Upper	
75	100		
77	38.7	20.8	62.5





#77

Bromobenzene

Concen: 21.33 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion:156 Resp: 97705

Ion Ratio Lower Upper

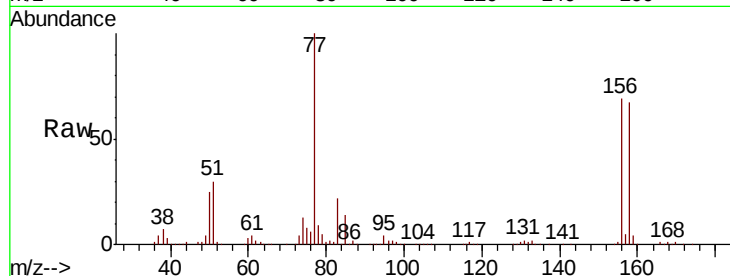
156 100

77 149.2 74.1 222.2

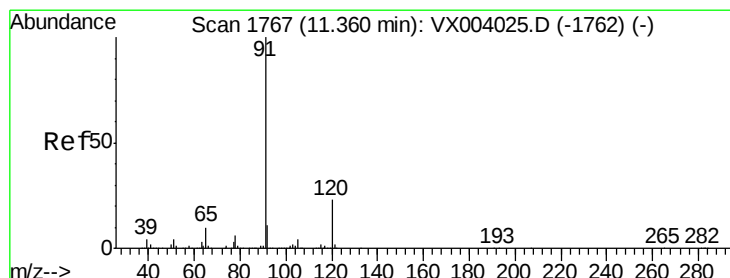
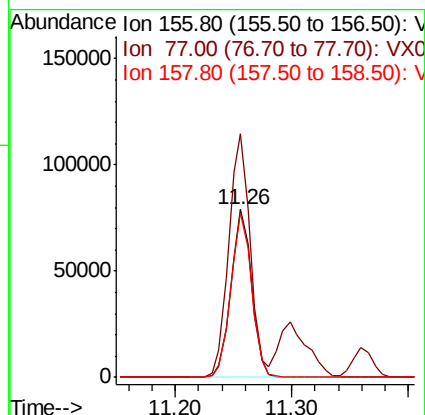
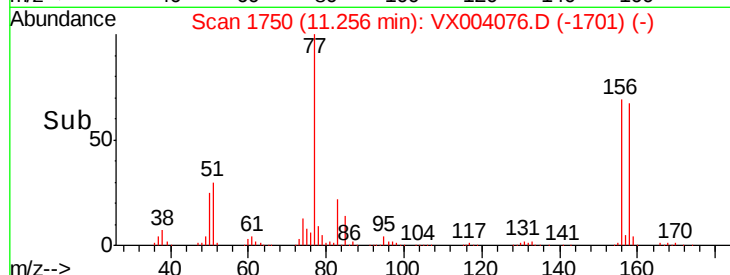
158 98.2 48.6 145.9

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.83 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004076.D

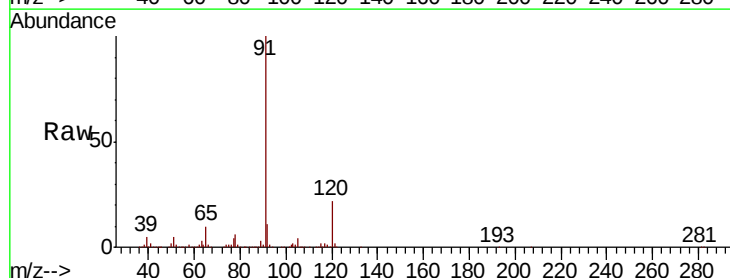
Acq: 15 Aug 2018 16:54

Tgt Ion: 91 Resp: 424423

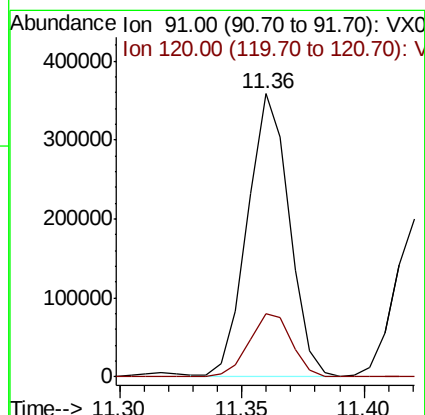
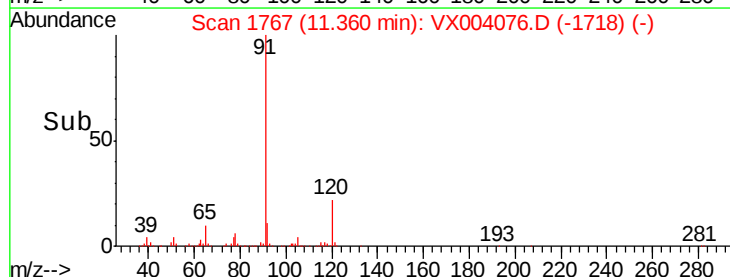
Ion Ratio Lower Upper

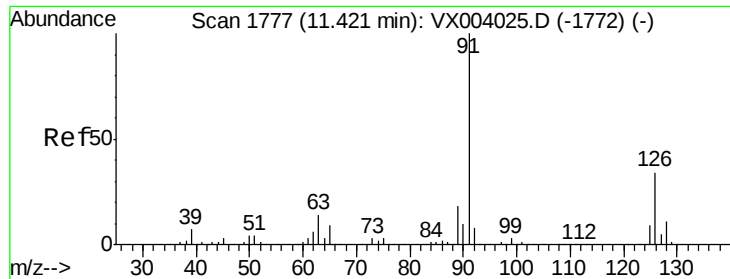
91 100

120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.28 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 91 Resp: 252408

Ion Ratio Lower Upper

91 100

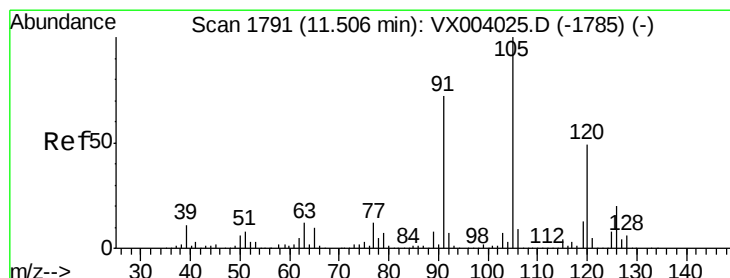
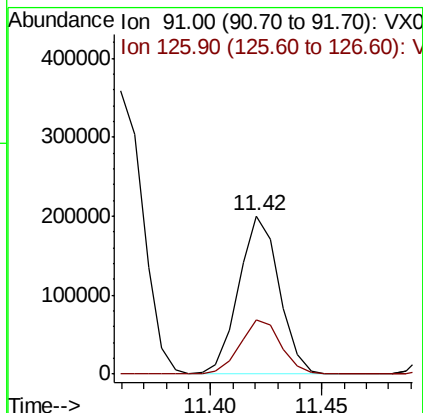
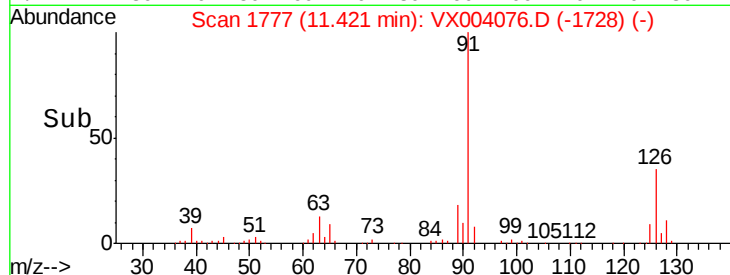
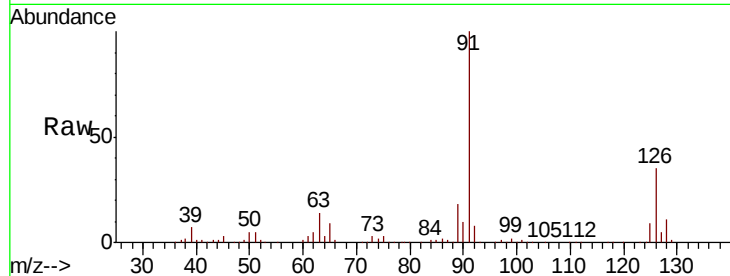
126 34.9 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.42 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004076.D

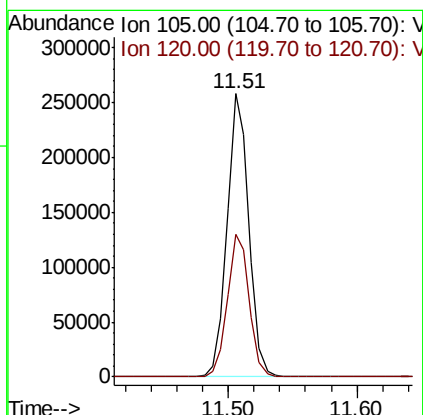
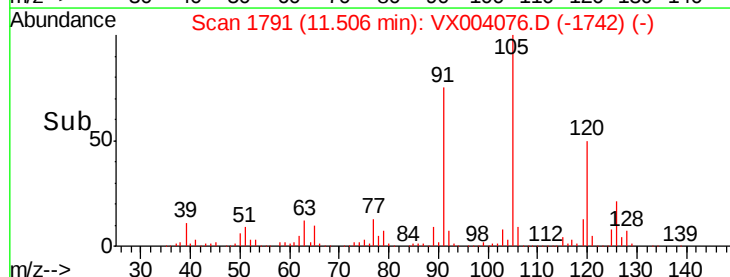
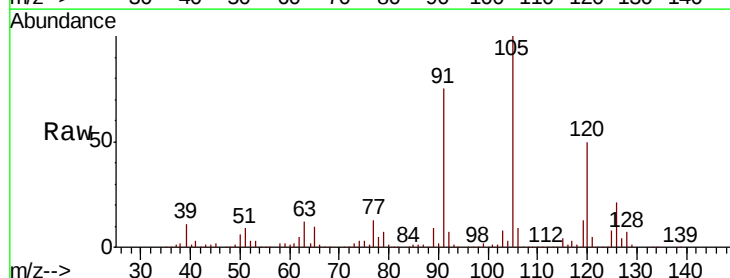
Acq: 15 Aug 2018 16:54

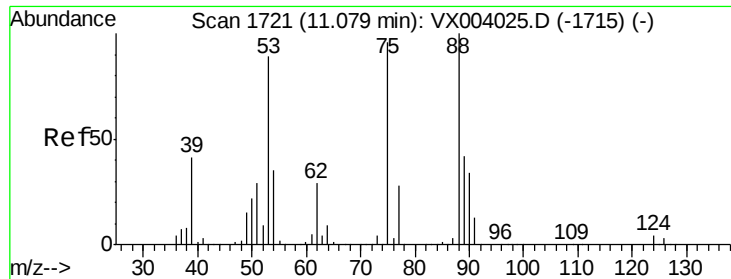
Tgt Ion: 105 Resp: 304985

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.41 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

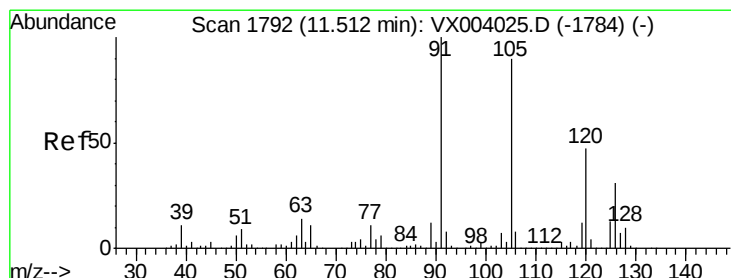
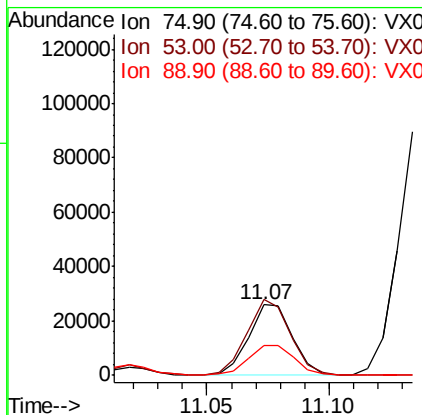
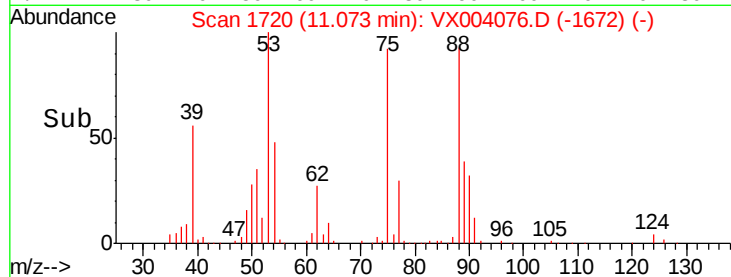
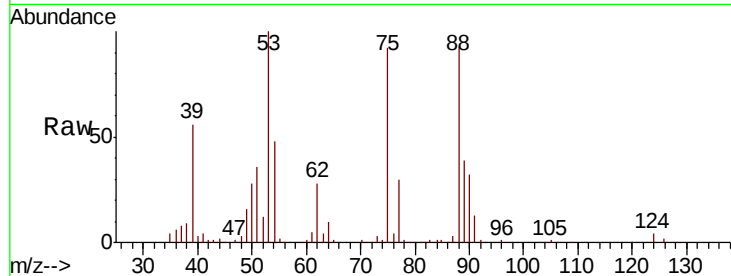
ClientSampleId :

VX0815WBSD01

Tot Ion:	75	Resp:	32457
Ion Ratio	Lower	Upper	
75	100		
53	106.8	80.3	120.5
89	45.4	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.15 ug/l

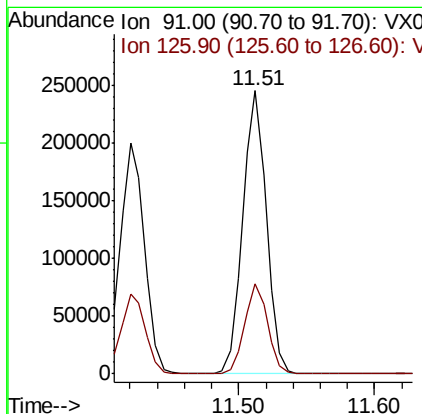
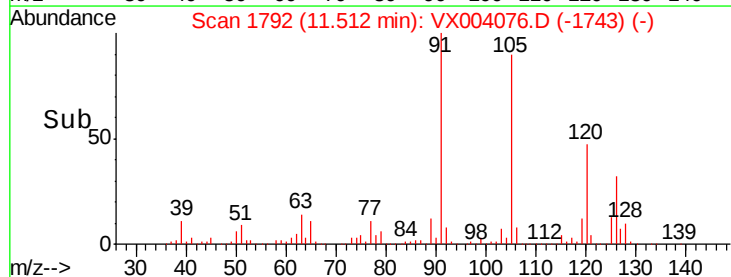
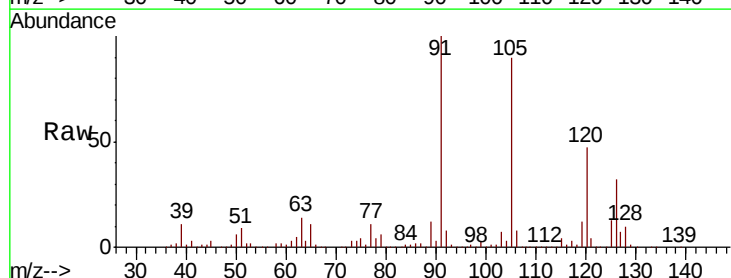
RT: 11.51 min Scan# 1792

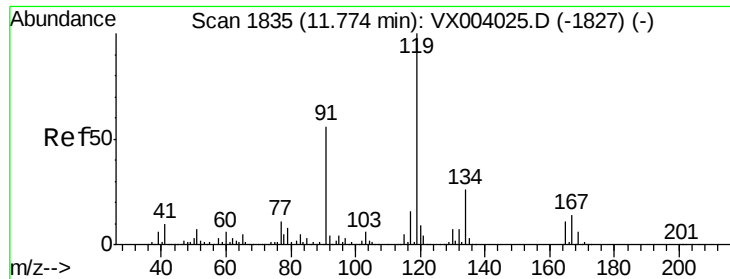
Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Tgt Ion:	91	Resp:	296649
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.6	46.7





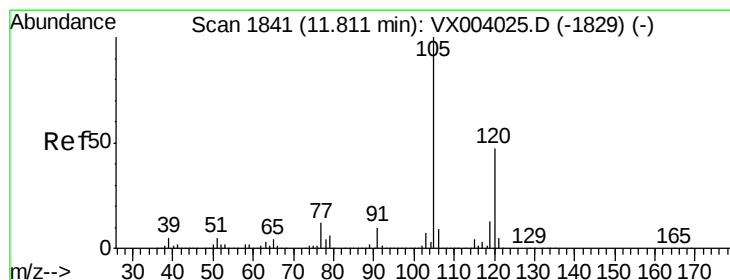
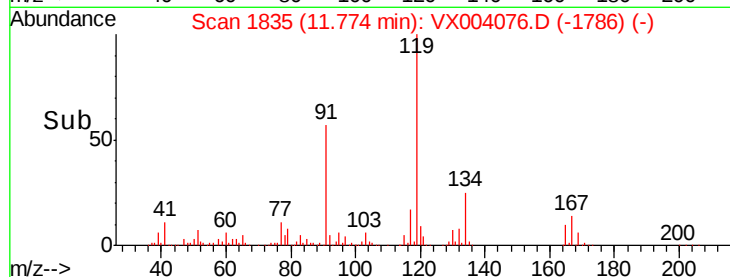
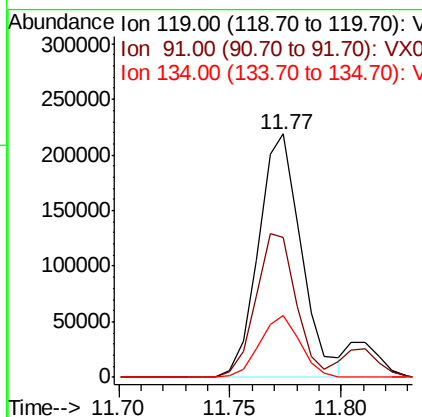
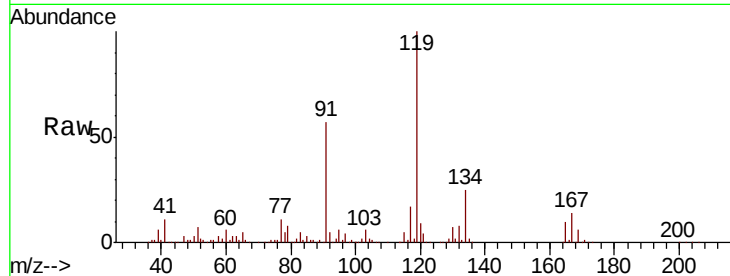
#83
tert-Butylbenzene
Concen: 21.29 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	292044		
91	56.1	26.9	80.7	
134	24.0	12.0	36.0	

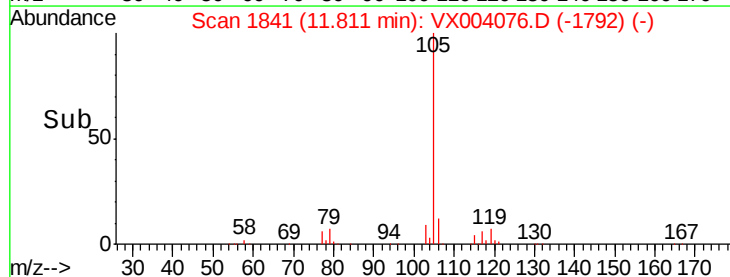
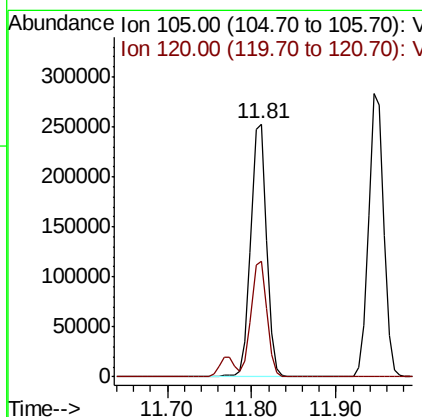
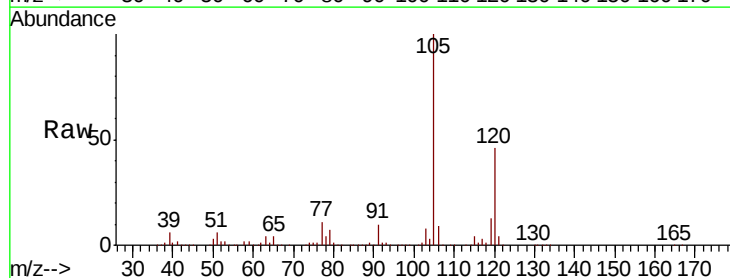
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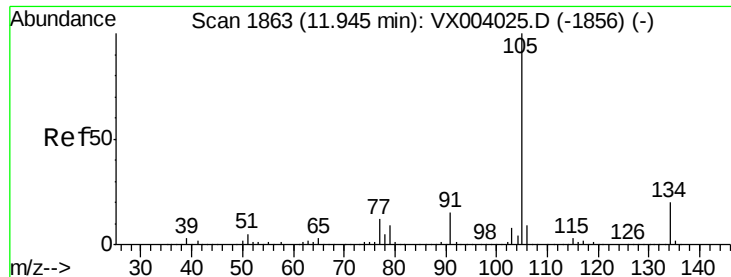
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#84
1,2,4-Trimethylbenzene
Concen: 22.47 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	316549		
120	45.6	23.1	69.2	





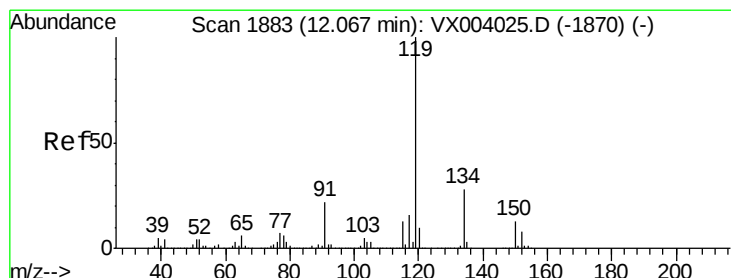
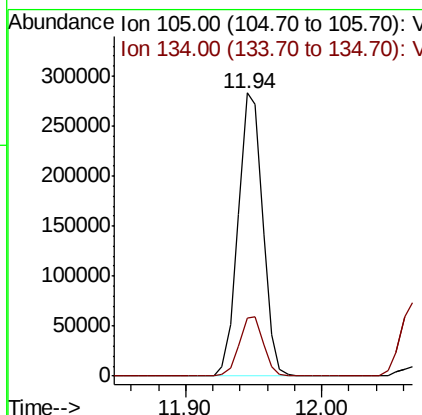
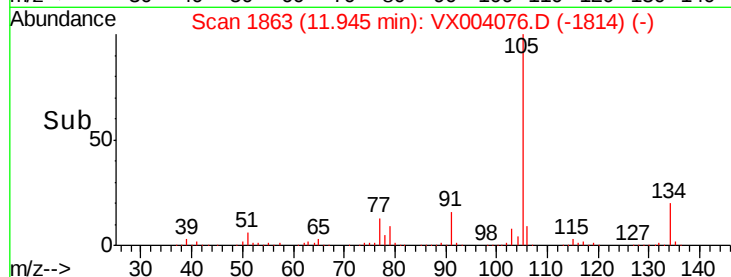
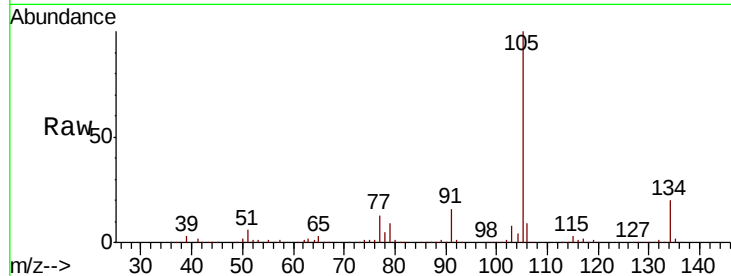
#85
 sec-Butylbenzene
 Concen: 22.14 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.9

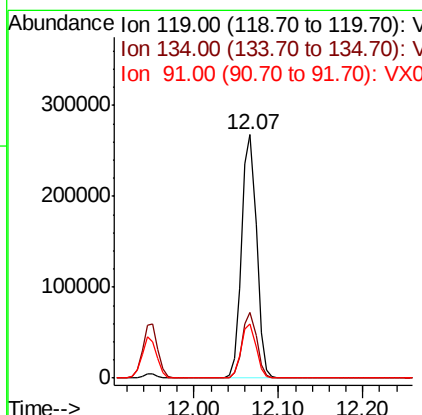
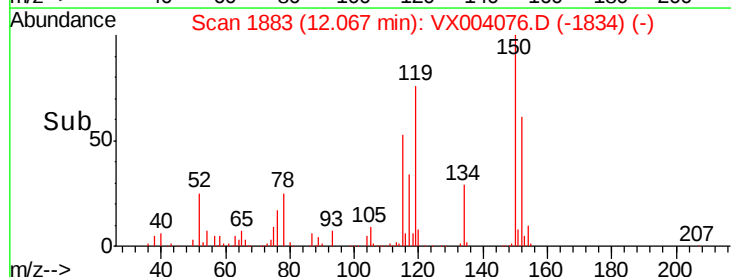
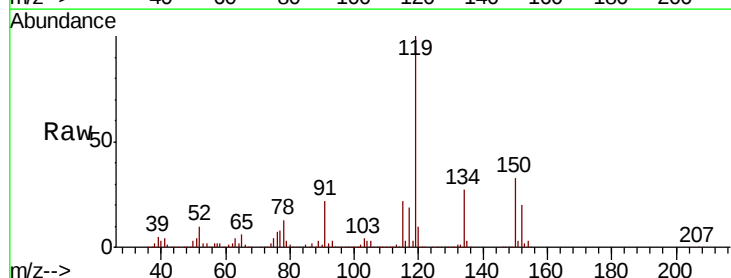
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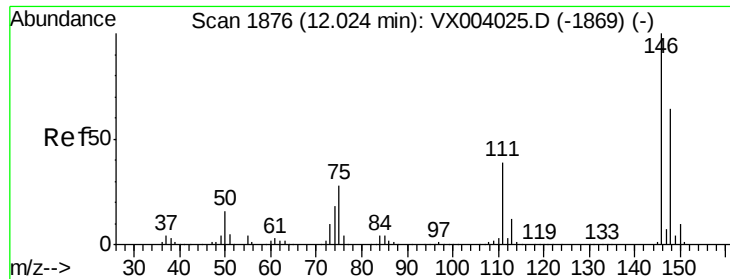
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#86
 p-Isopropyltoluene
 Concen: 21.72 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	22.4	10.9	32.7





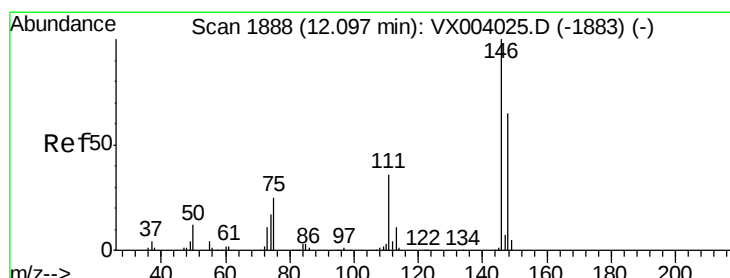
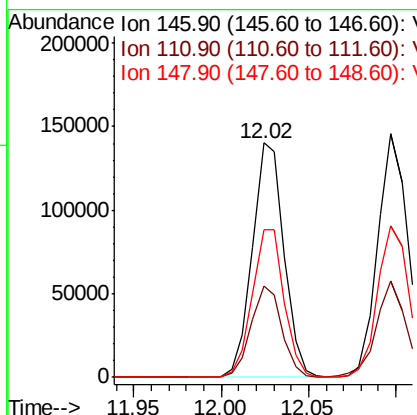
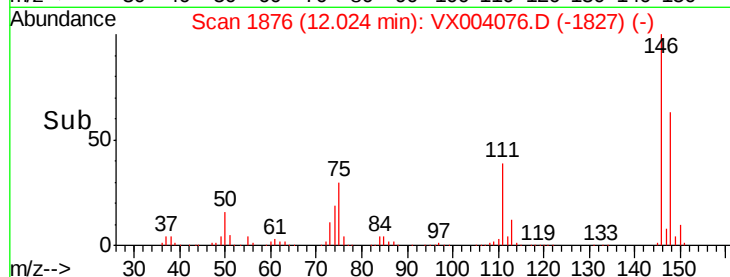
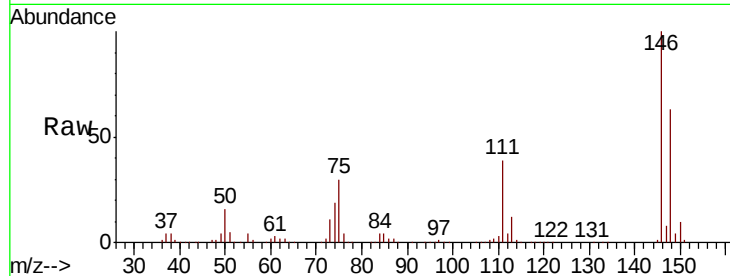
#87
 1,3-Dichlorobenzene
 Concen: 20.20 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	63.6	31.9	95.5

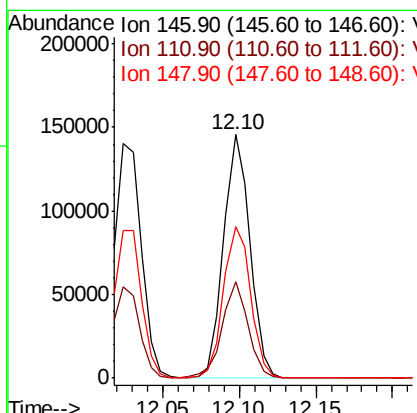
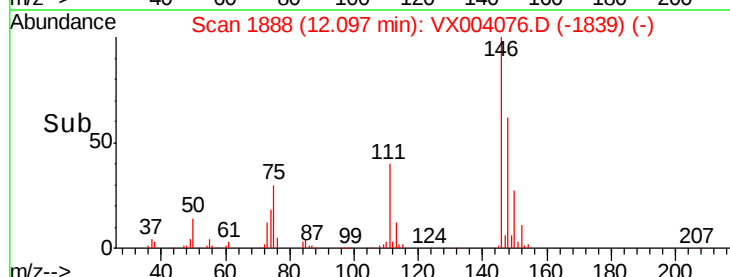
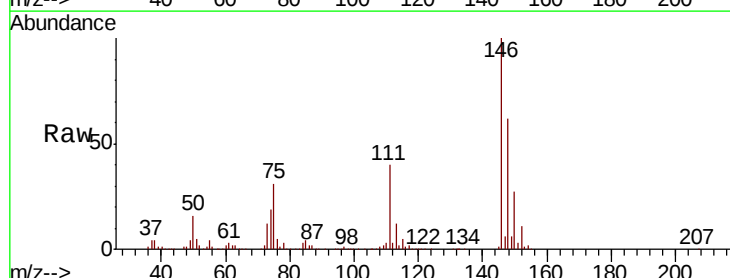
Manual Integrations
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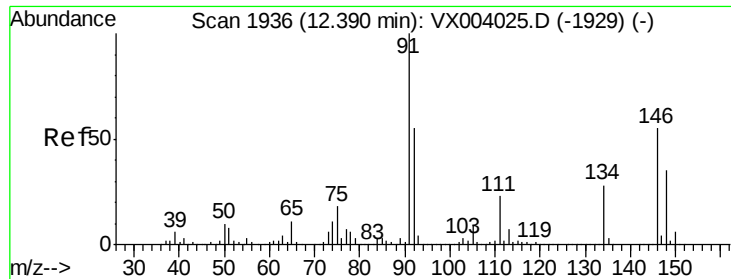
MMDadoda
 8/16/2018 4:39:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.36 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.4	55.0
148	64.2	32.3	96.8





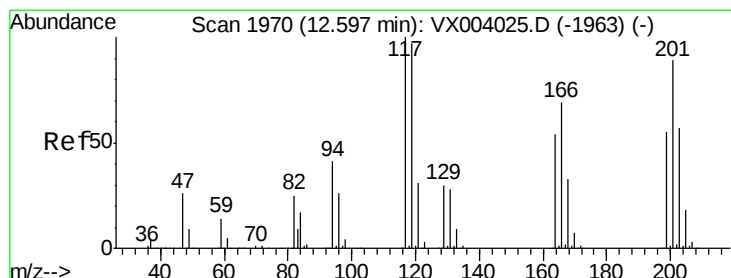
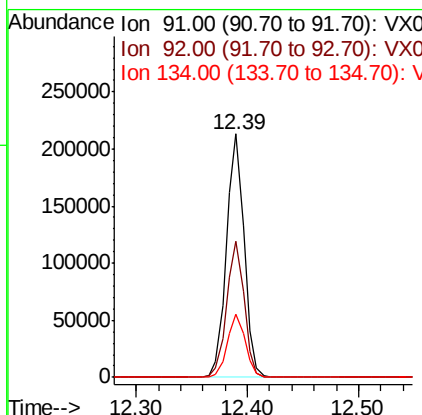
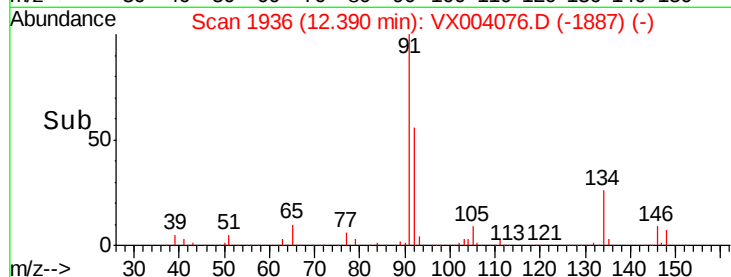
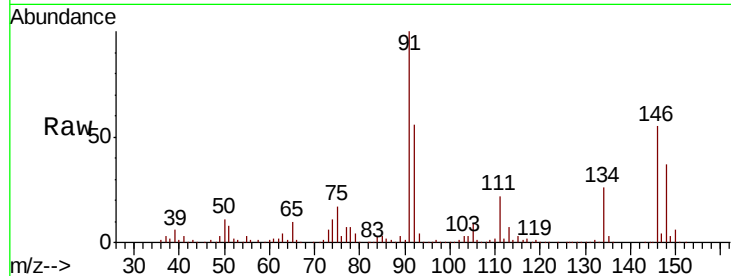
#89
n-Butylbenzene
Concen: 20.43 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.5	27.1	81.3	
134	26.2	13.6	40.7	

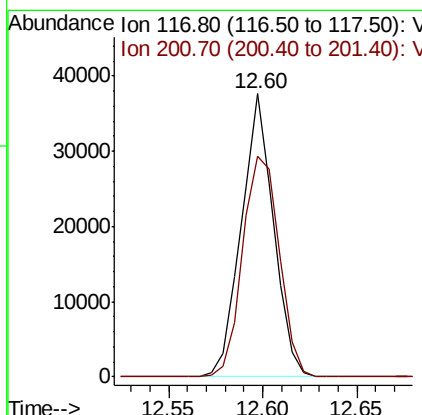
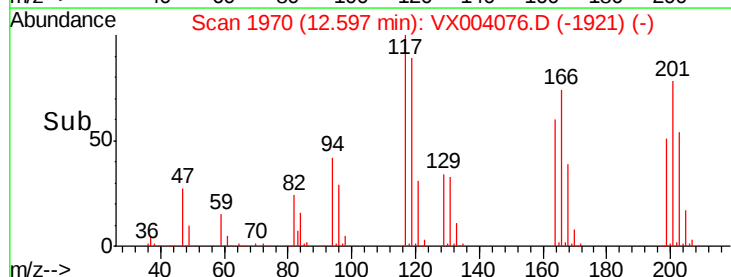
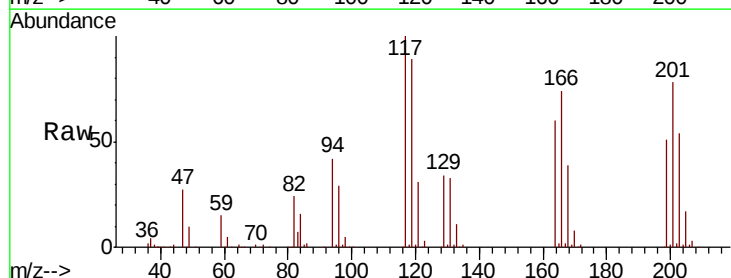
Manual Integrations
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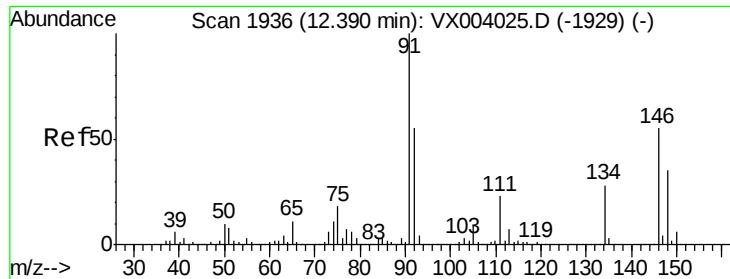
MMDadoda
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#90
Hexachloroethane
Concen: 20.48 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.2	46.1	138.2	





#91

1,2-Dichlorobenzene

Concen: 19.97 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion:146 Resp: 157295

Ion Ratio Lower Upper

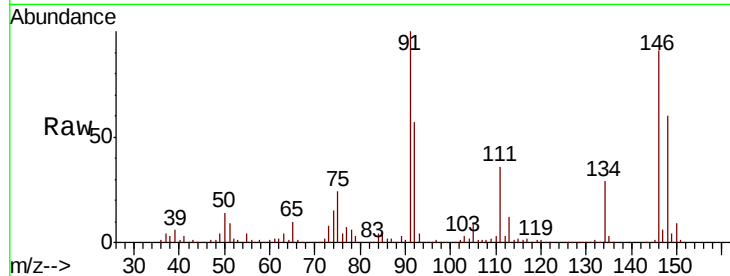
146 100

111 39.6 19.7 59.0

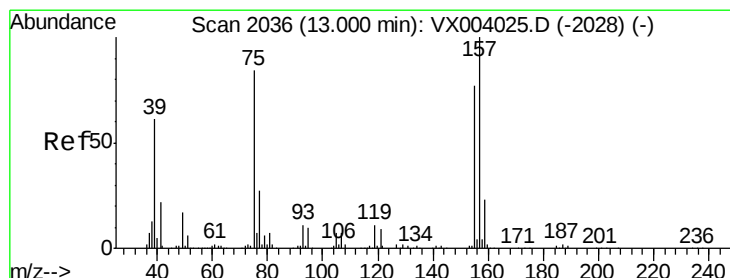
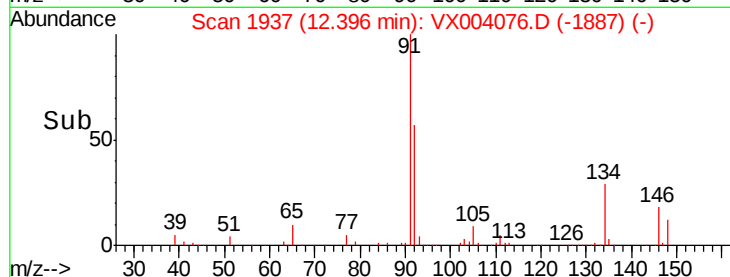
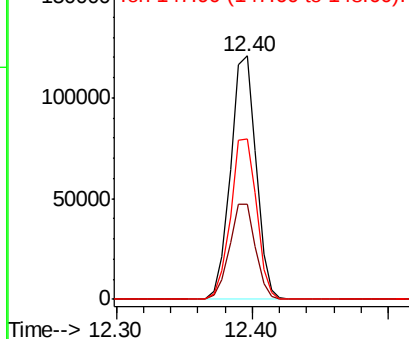
148 67.1 31.9 95.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.78 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

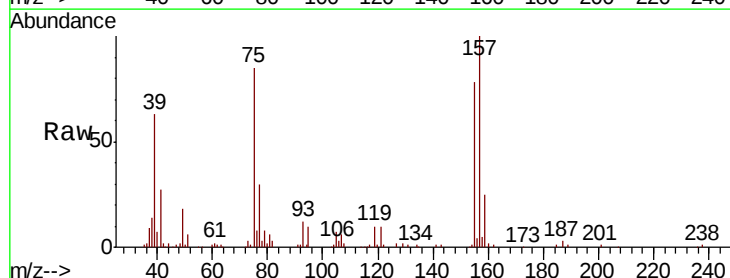
Tgt Ion: 75 Resp: 21186

Ion Ratio Lower Upper

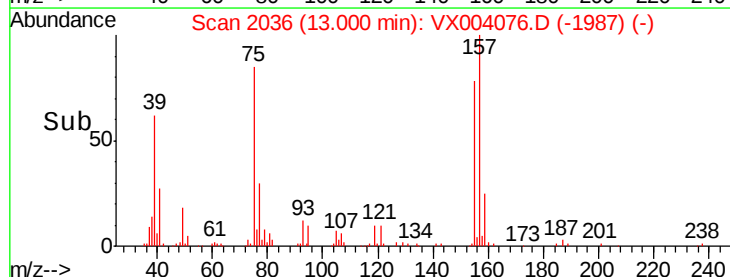
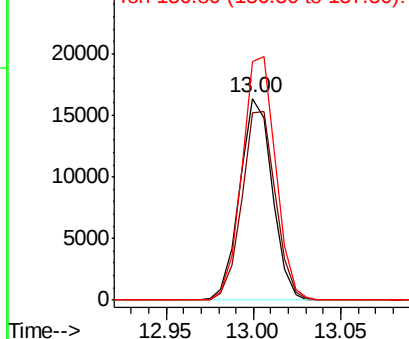
75 100

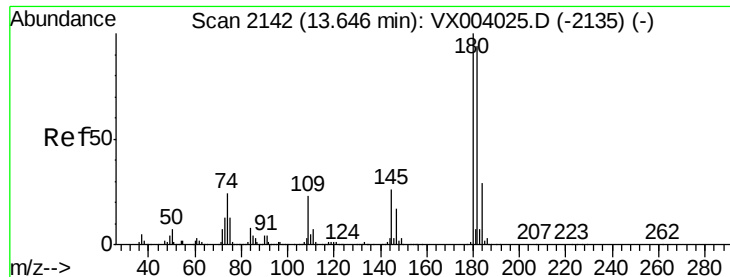
155 96.1 48.7 146.1

157 124.2 62.6 187.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





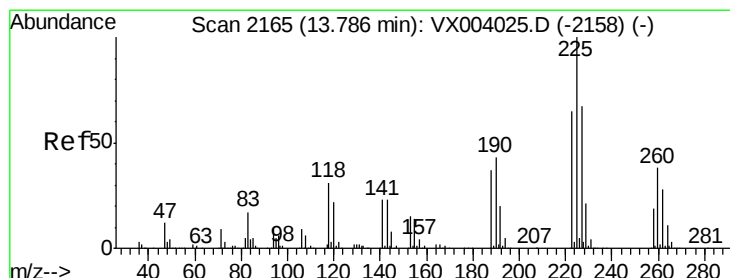
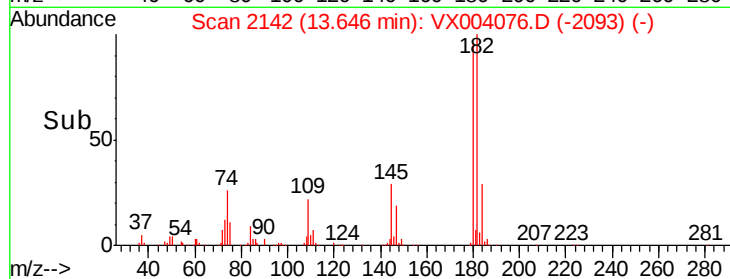
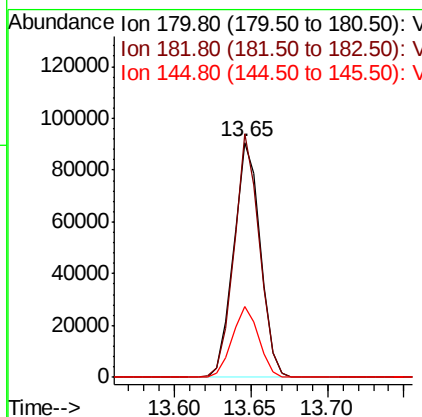
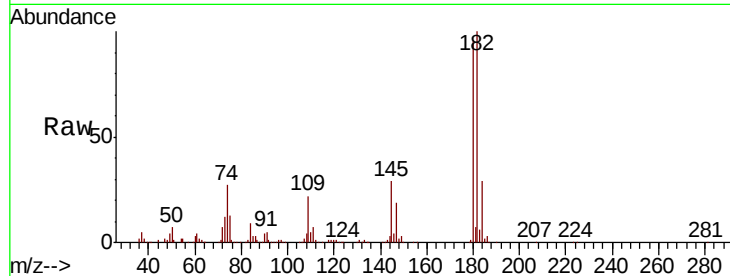
#93
 1,2,4-Trichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109335		
182	98.2	47.7	143.1	
145	29.7	13.9	41.6	

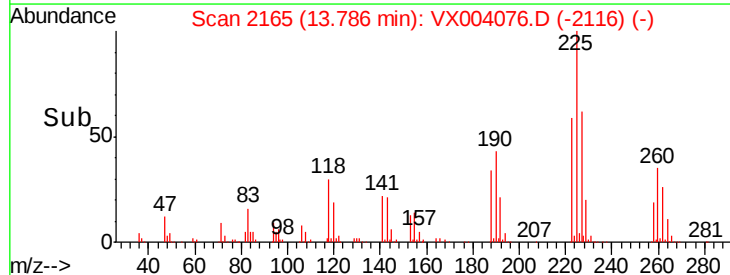
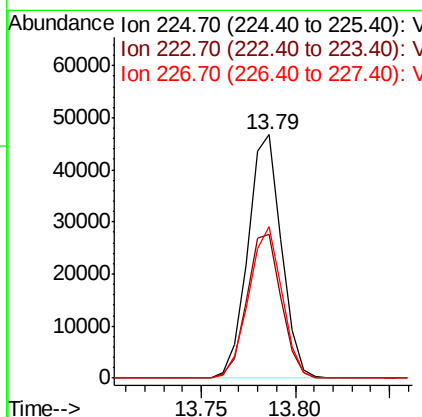
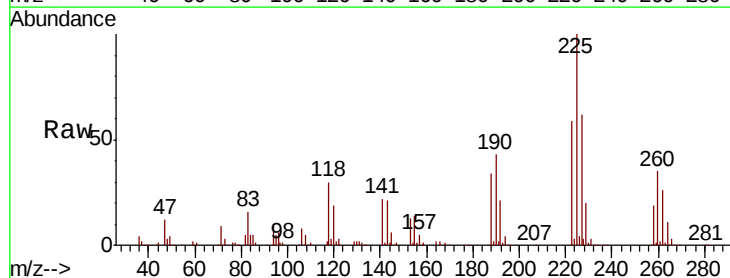
Manual Integrations
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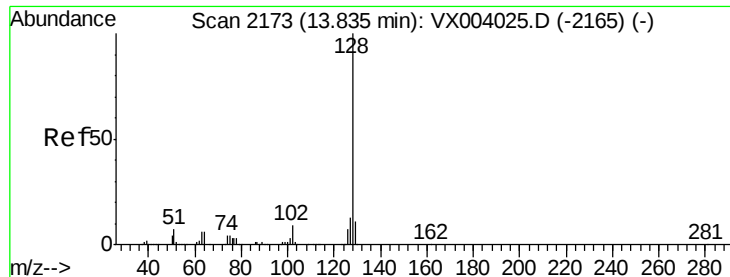
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#94
 Hexachlorobutadiene
 Concen: 21.29 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57470		
223	60.7	31.4	94.0	
227	62.1	32.1	96.5	





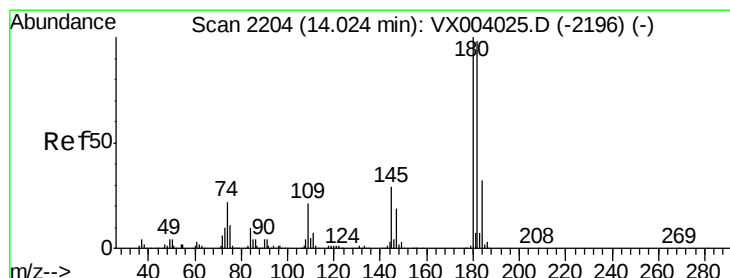
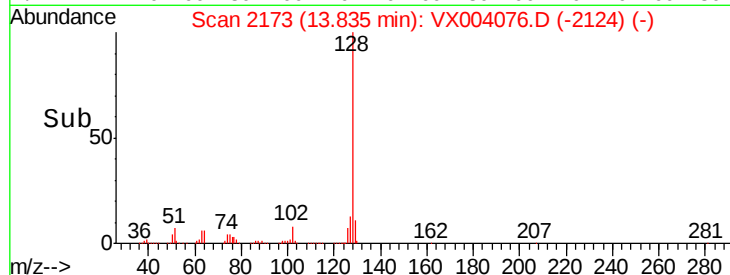
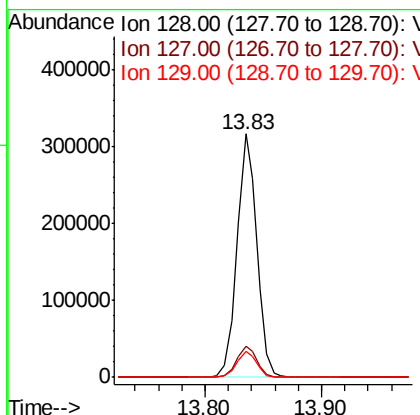
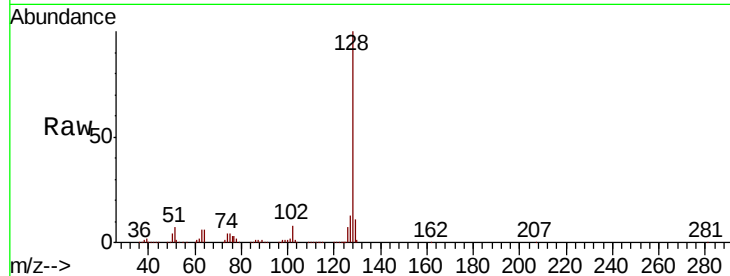
#95
Naphthalene
Concen: 22.42 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.48 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.1	144.4
145	30.0	14.9	44.7

