

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004280.D
 Acq On : 29 Aug 2018 09:36
 Operator : JC/MD
 Sample : VX0829WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0829WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 1:38:33 PM

Quant Time: Aug 30 03:38:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	333962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	480438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	428694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	266444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	206404	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
35) Dibromofluoromethane	5.50	113	176730	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	8.71	98	656524	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.14	95	246562	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	73709	19.06	ug/l	97
3) Chloromethane	1.32	50	79291	18.73	ug/l	99
4) Vinyl Chloride	1.40	62	84336	19.27	ug/l	99
5) Bromomethane	1.64	94	43647	18.98	ug/l	95
6) Chloroethane	1.72	64	59637	18.47	ug/l	97
7) Trichlorofluoromethane	1.93	101	115188	19.21	ug/l	97
8) Diethyl Ether	2.18	74	51434	20.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70994	18.90	ug/l	99
10) Methyl Iodide	2.51	142	64523	18.19	ug/l	97
11) Tert butyl alcohol	3.07	59	96487	103.99	ug/l	100
12) 1,1-Dichloroethene	2.37	96	67127	18.97	ug/l	96
13) Acrolein	2.29	56	18698	83.59	ug/l	99
14) Allyl chloride	2.73	41	126151	19.41	ug/l	98
15) Acrylonitrile	3.15	53	224339	97.63	ug/l	100
16) Acetone	2.45	43	187633	100.78	ug/l	99
17) Carbon Disulfide	2.57	76	170721	17.90	ug/l	99
18) Methyl Acetate	2.78	43	148435	22.98	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	236483	20.28	ug/l	98
20) Methylene Chloride	2.85	84	79385	18.95	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	73342	18.73	ug/l	94
22) Diisopropyl ether	3.87	45	235342	19.39	ug/l	94
23) Vinyl Acetate	3.82	43	920487	93.58	ug/l	99
24) 1,1-Dichloroethane	3.69	63	137928	19.50	ug/l	99
25) 2-Butanone	4.70	43	288865	97.30	ug/l	99
26) 2,2-Dichloropropane	4.58	77	106359	19.17	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	84702	19.07	ug/l	99
28) Bromochloromethane	5.01	49	59649	19.05	ug/l	99
29) Tetrahydrofuran	5.16	42	183743	98.25	ug/l	99
30) Chloroform	5.21	83	136500	19.25	ug/l	96
31) Cyclohexane	5.57	56	112242	18.39	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	115081	19.46	ug/l	99
36) 1,1-Dichloropropene	5.79	75	100553	18.62	ug/l	99
37) Ethyl Acetate	4.86	43	104594	19.69	ug/l	99
38) Carbon Tetrachloride	5.78	117	97607	19.21	ug/l	99

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 ClientSampleID :
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Manual Integrations
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 8/30/2018 1:38:33 PM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111982	18.16	ug/l	97
40) Benzene	6.14	78	312838	19.38	ug/l	99
41) Methacrylonitrile	5.06	41	59441	19.30	ug/l	98
42) 1,2-Dichloroethane	6.20	62	107113	19.46	ug/l	99
43) Isopropyl Acetate	6.46	43	162174	19.87	ug/l	100
44) Trichloroethene	7.21	130	85587	19.16	ug/l	99
45) 1,2-Dichloropropane	7.52	63	79454	19.67	ug/l	98
46) Dibromomethane	7.67	93	51682	19.22	ug/l	98
47) Bromodichloromethane	7.90	83	97875	19.56	ug/l	100
48) Methyl methacrylate	7.77	41	85489	19.57	ug/l	99
49) 1,4-Dioxane	7.76	88	39914	402.51	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	563902	95.08	ug/l	100
52) Toluene	8.79	92	200453	19.84	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	108724	19.67	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	119714	19.88	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	82209	20.16	ug/l	99
56) Ethyl methacrylate	9.18	69	111167	20.02	ug/l	99
57) 1,3-Dichloropropane	9.37	76	136590	19.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	291704	102.55	ug/l	100
59) 2-Hexanone	9.50	43	424116	93.74	ug/l	99
60) Dibromochloromethane	9.59	129	77798	19.58	ug/l	100
61) 1,2-Dibromoethane	9.68	107	83450	19.77	ug/l	99
64) Tetrachloroethene	9.34	164	86366	20.39	ug/l	99
65) Chlorobenzene	10.14	112	212082	19.71	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	74179	19.99	ug/l	99
67) Ethyl Benzene	10.26	91	348473	19.94	ug/l	98
68) m/p-Xylenes	10.36	106	276511	40.47	ug/l	96
69) o-Xylene	10.70	106	138032	21.36	ug/l	100
70) Styrene	10.71	104	224441	21.45	ug/l	99
71) Bromoform	10.86	173	59934	20.04	ug/l	99
73) Isopropylbenzene	11.02	105	376797	21.53	ug/l	100
74) N-amyl acetate	10.90	43	136443	20.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	123818	20.22	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	112618m	20.78	ug/l	
77) Bromobenzene	11.26	156	101699	20.72	ug/l	100
78) n-propylbenzene	11.36	91	424565	21.09	ug/l	100
79) 2-Chlorotoluene	11.42	91	257581	20.79	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	309036	21.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	33514	20.07	ug/l	98
82) 4-Chlorotoluene	11.51	91	293797	20.15	ug/l	98
83) tert-Butylbenzene	11.77	119	308031	21.13	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	319586	21.48	ug/l	100
85) sec-Butylbenzene	11.94	105	362147	20.92	ug/l	100
86) p-Isopropyltoluene	12.07	119	323127	20.83	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	181725	19.66	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	187007	19.19	ug/l	98
89) n-Butylbenzene	12.39	91	236843	18.77	ug/l	100
90) Hexachloroethane	12.60	117	43930	20.26	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	171572	20.31	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20974	19.44	ug/l	94

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

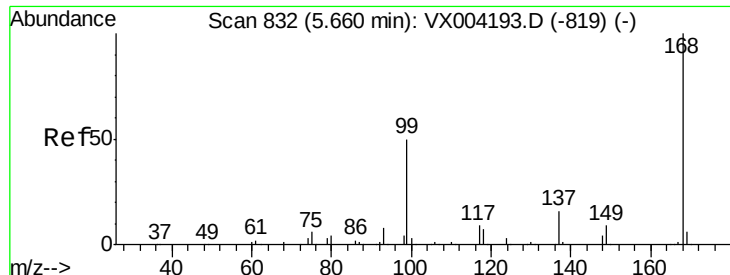
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	120291	19.57	ug/l	99
94) Hexachlorobutadiene	13.79	225	57300	19.96	ug/l	98
95) Naphthalene	13.83	128	384399	22.11	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	134632	20.69	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampled :

VX0829WBS01

Tot Ion:168 Resp: 333962

Ion Ratio Lower Upper

168 100

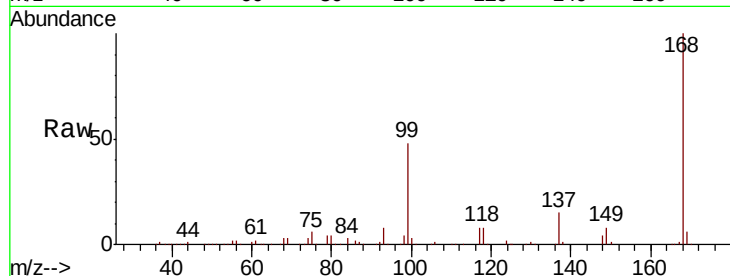
99 48.1 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

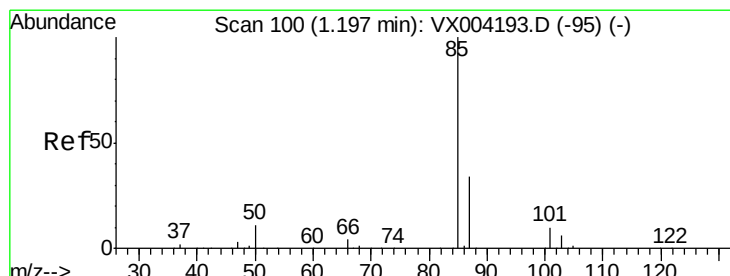
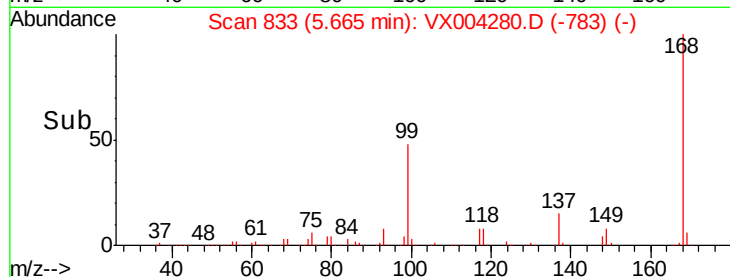
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.06 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004280.D

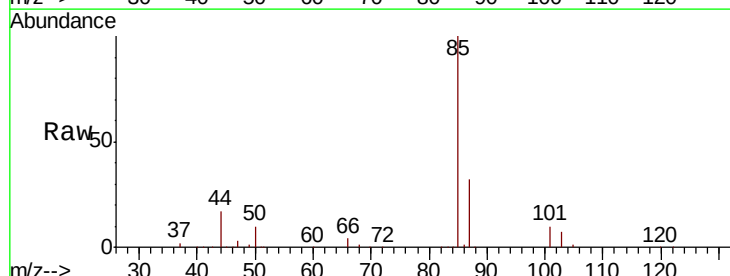
Acq: 29 Aug 2018 09:36

Tgt Ion: 85 Resp: 73709

Ion Ratio Lower Upper

85 100

87 32.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

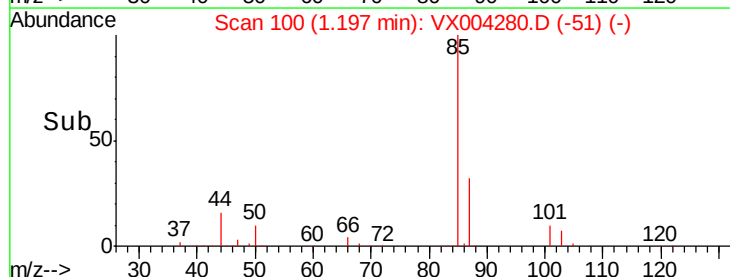
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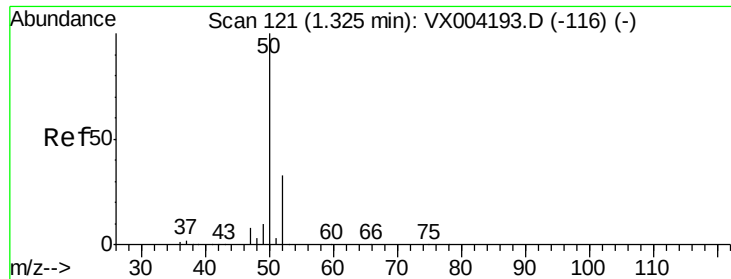
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.73 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 50 Resp: 79291

Ion Ratio Lower Upper

50 100

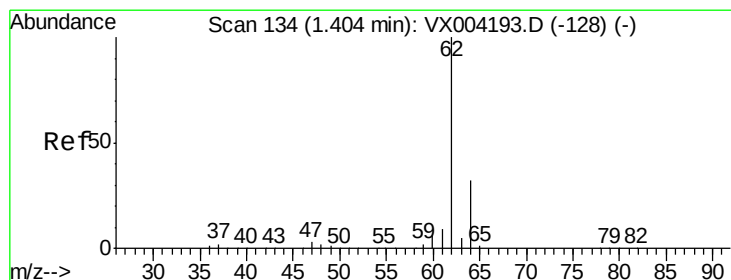
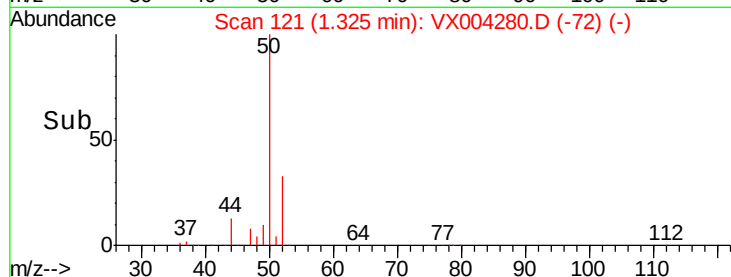
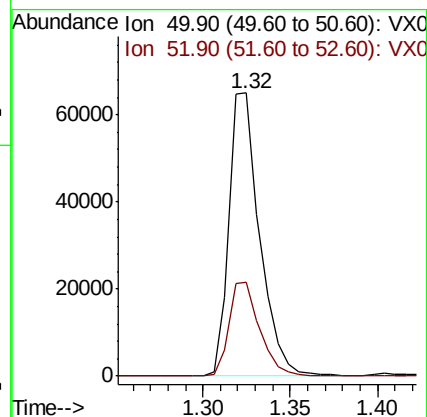
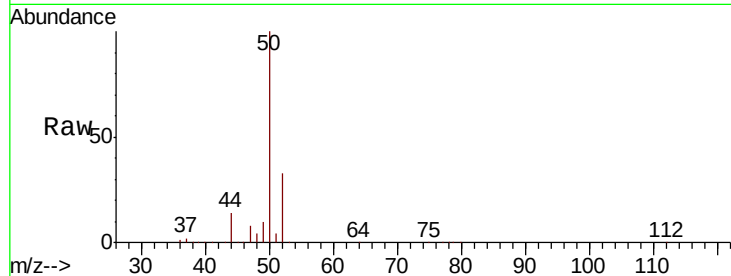
52 33.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.27 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004280.D

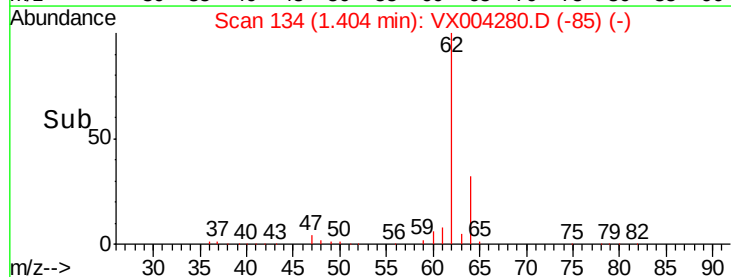
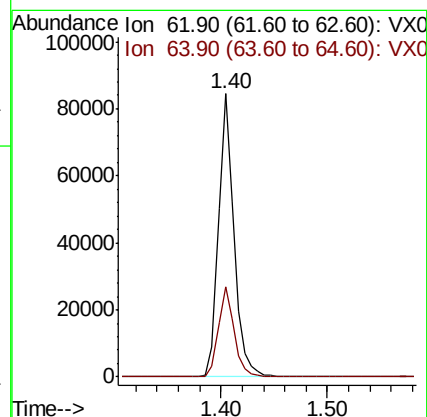
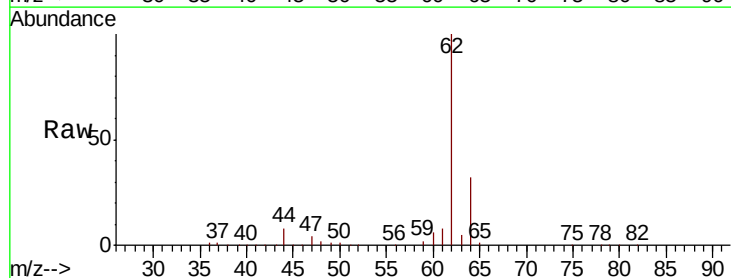
Acq: 29 Aug 2018 09:36

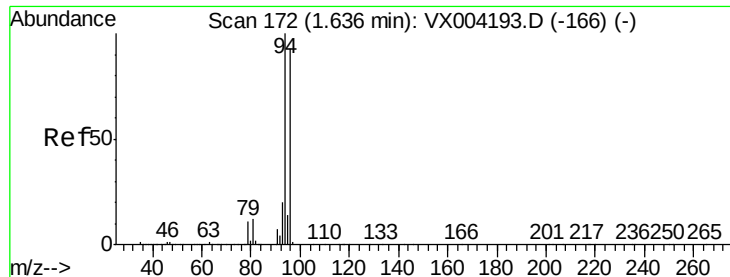
Tgt Ion: 62 Resp: 84336

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8





#5

Bromomethane

Concen: 18.98 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 94 Resp: 43647

Ion Ratio Lower Upper

94 100

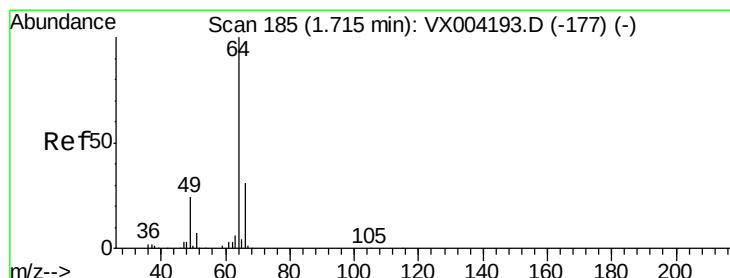
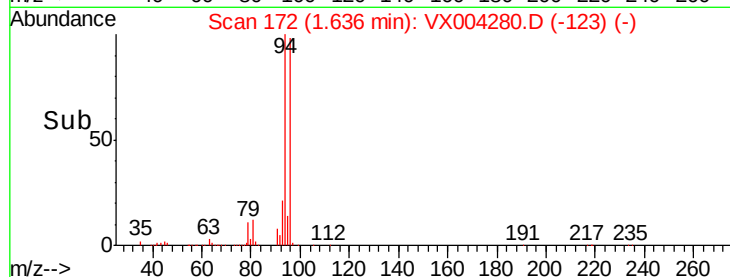
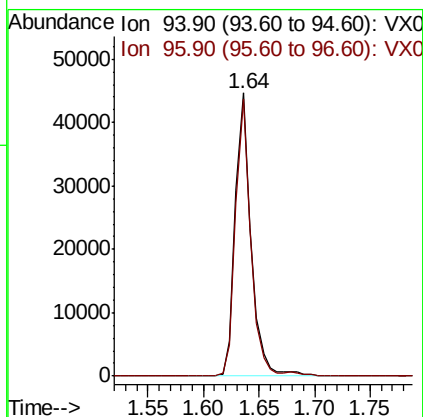
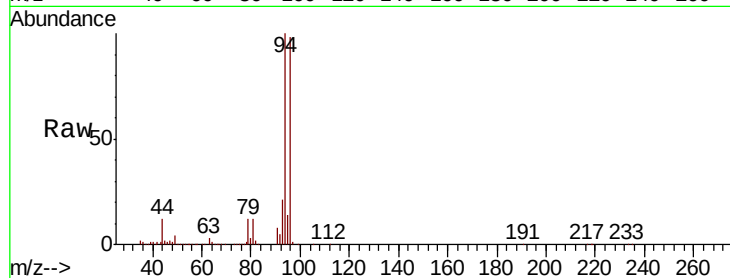
96 98.2 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 18.47 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004280.D

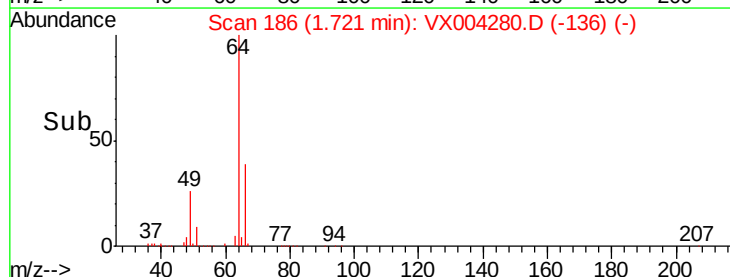
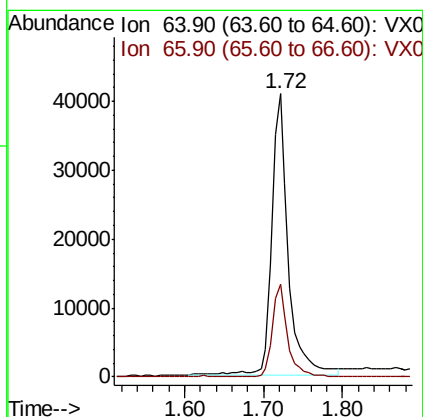
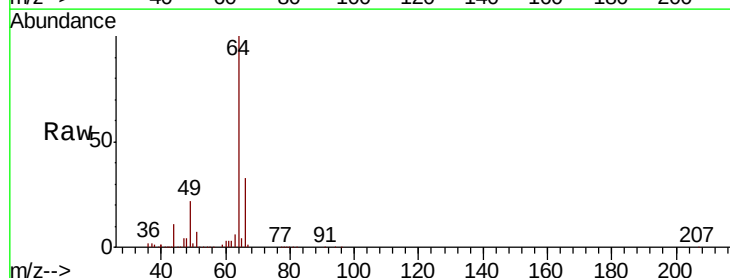
Acq: 29 Aug 2018 09:36

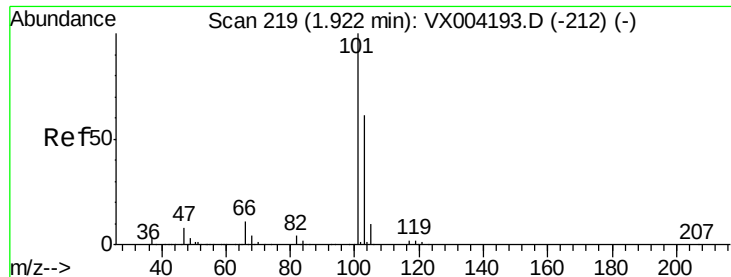
Tgt Ion: 64 Resp: 59637

Ion Ratio Lower Upper

64 100

66 32.5 24.6 36.8





#7

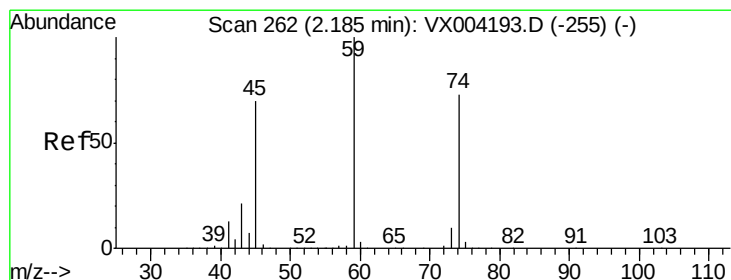
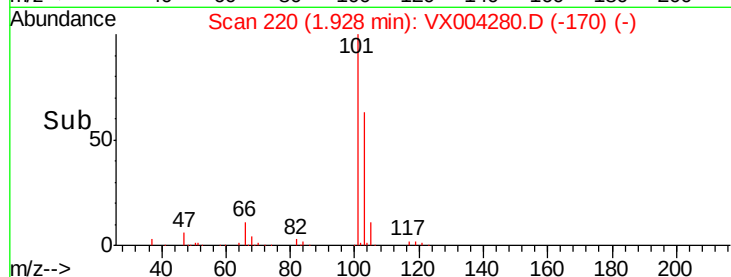
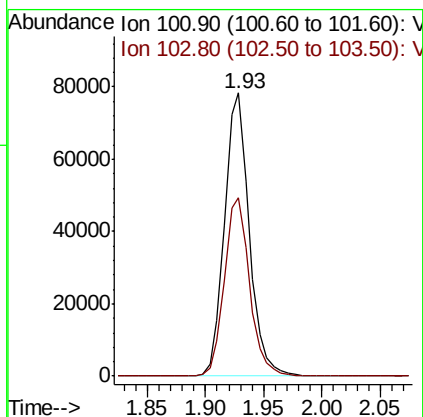
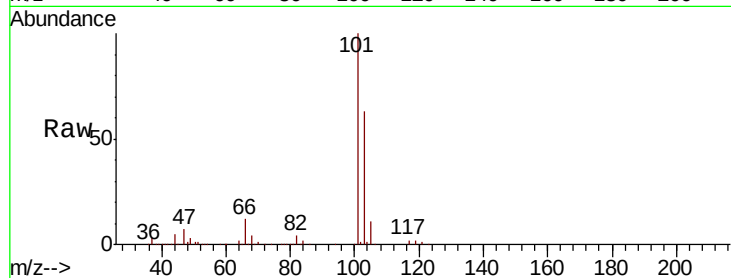
Trichlorofluoromethane
 Concen: 19.21 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	48.9	73.3

Manual Integrations
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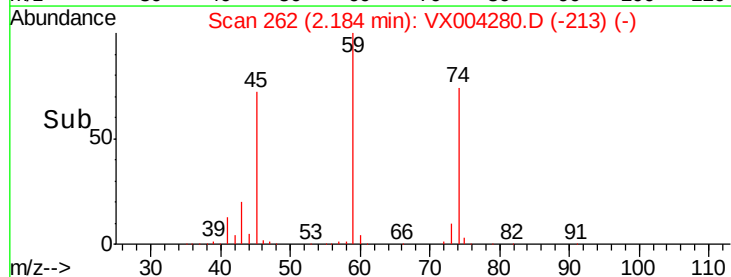
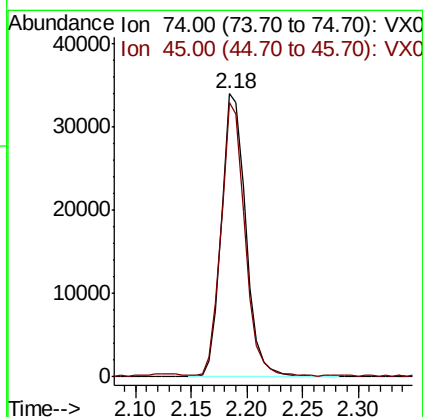
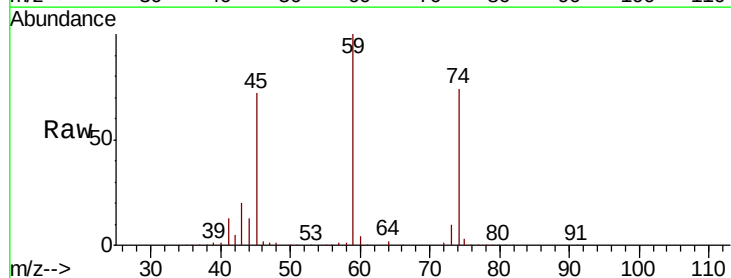
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 8/30/2018 1:38:33 PM

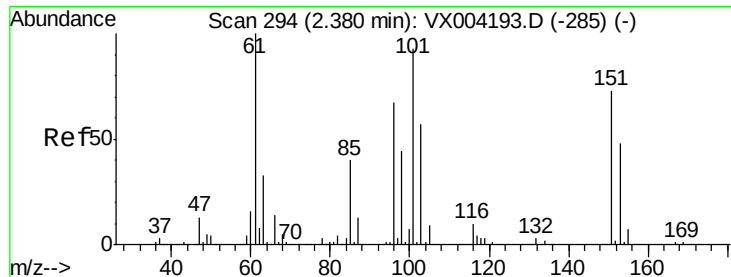


#8

Diethyl Ether
 Concen: 20.03 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.90 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

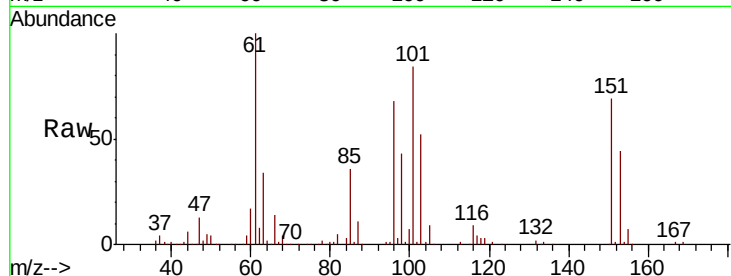
ClientSampleId :

VX0829WBS01

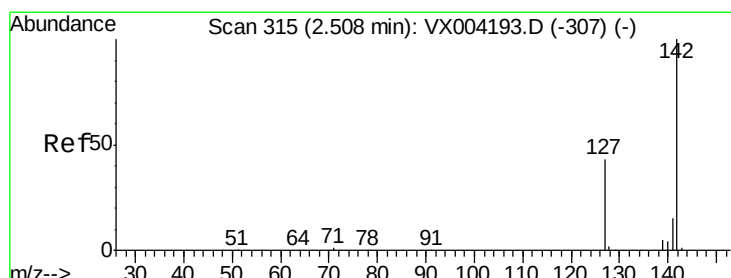
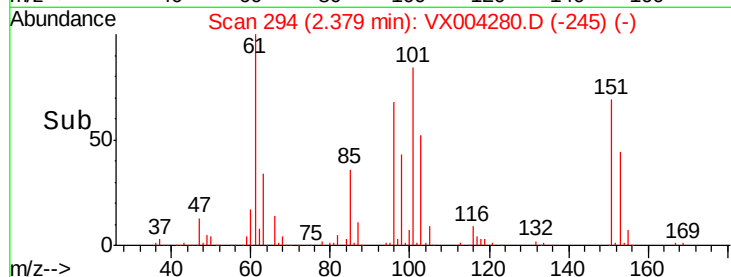
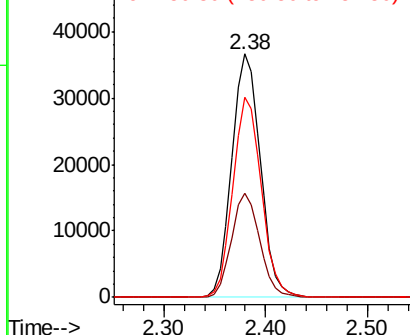
Tot Ion:	101	Resp:	70994
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	81.9	65.0	97.6

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



#10

Methyl Iodide

Concen: 18.19 ug/l

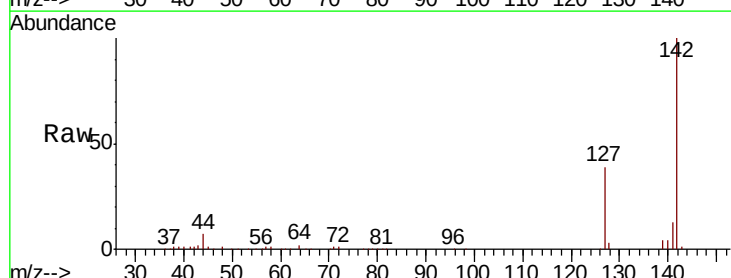
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

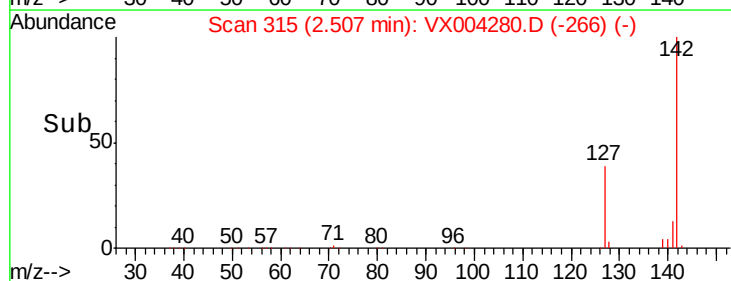
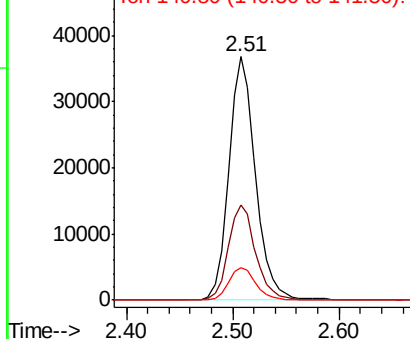
Lab File: VX004280.D

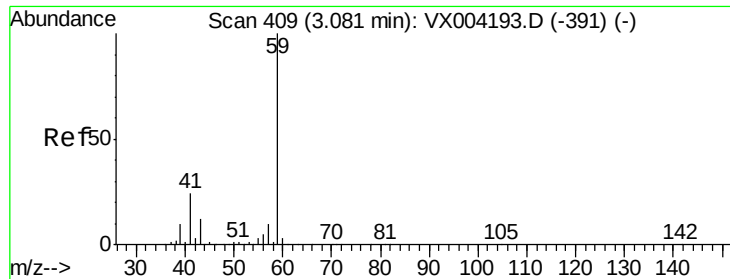
Acq: 29 Aug 2018 09:36

Tgt Ion:	142	Resp:	64523
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.8	50.6
141	13.8	11.4	17.0



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





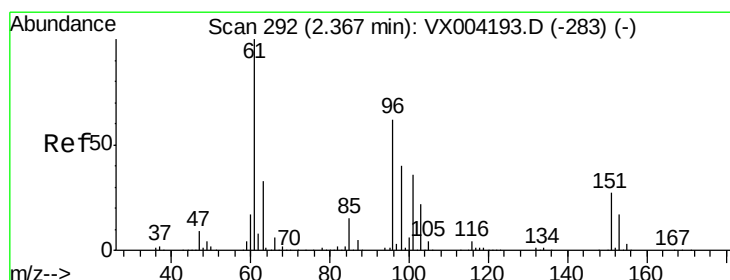
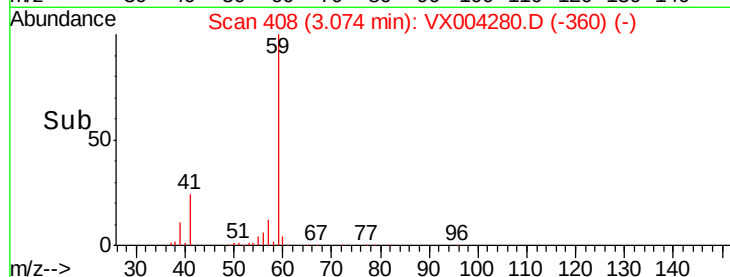
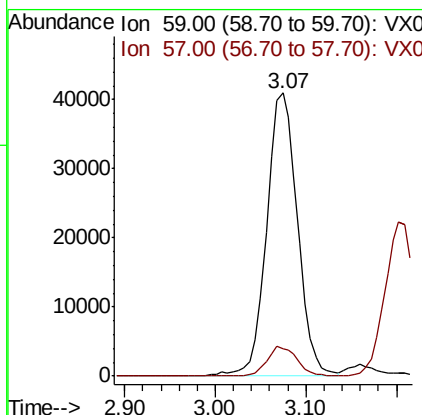
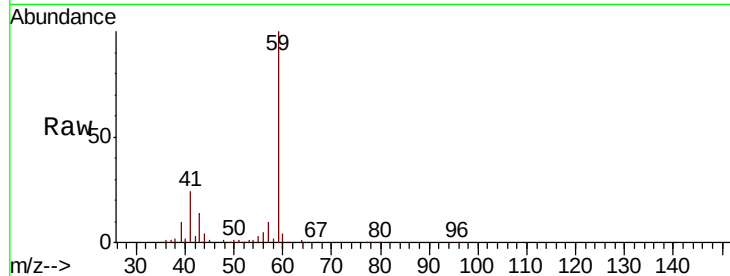
#11
Tert butyl alcohol
Concen: 103.99 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion	59	Resp	96487
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.4

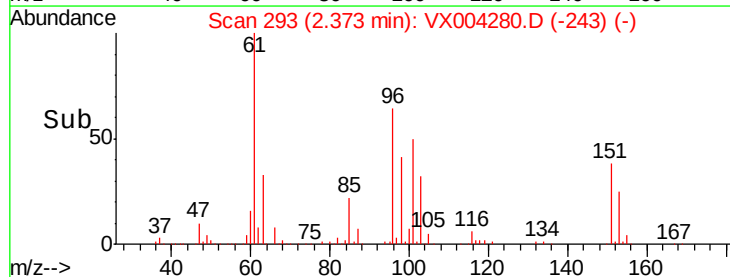
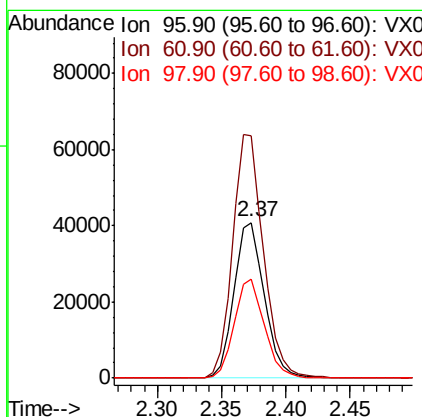
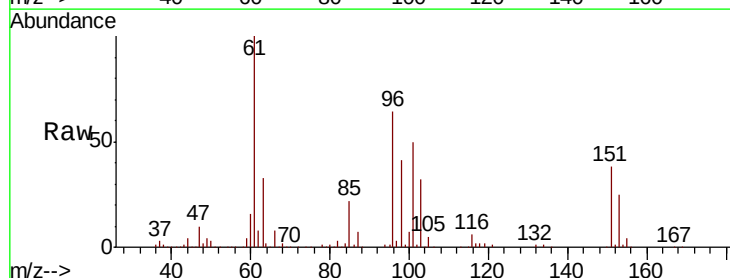
Manual Integrations
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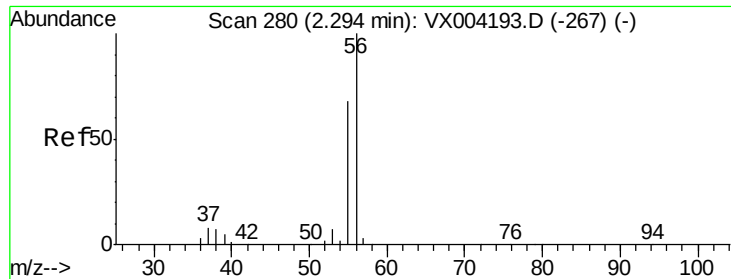
MMDadoda
8/30/2018 1:38:33 PM



#12
1,1-Dichloroethene
Concen: 18.97 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	96	Resp	67127
Ion Ratio	100	Lower	Upper
61	155.8	128.8	193.2
98	63.3	52.2	78.2





#13

Acrolein

Concen: 83.59 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 56 Resp: 18698

Ion Ratio Lower Upper

56 100

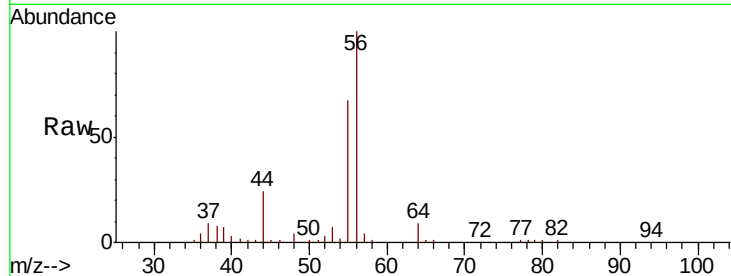
55 69.4 54.7 82.1

Manual Integrations

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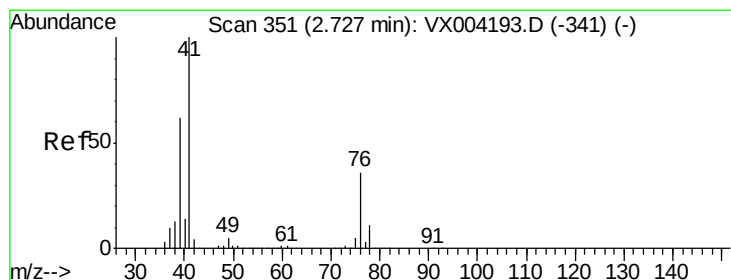
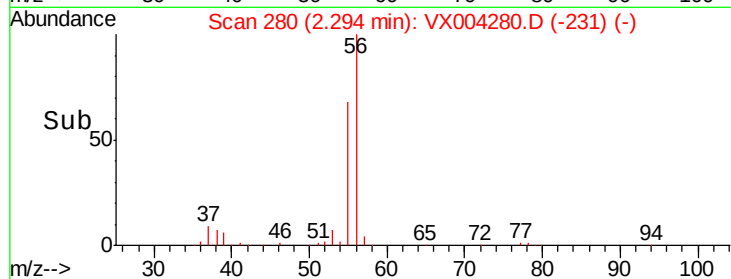
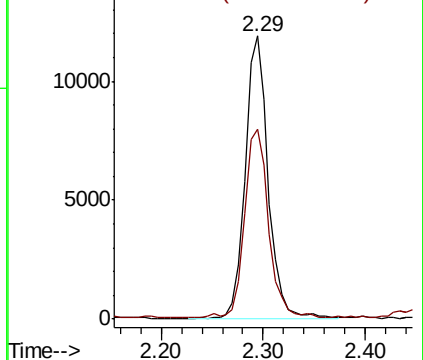
MMDadoda

8/30/2018 1:38:33 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.41 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

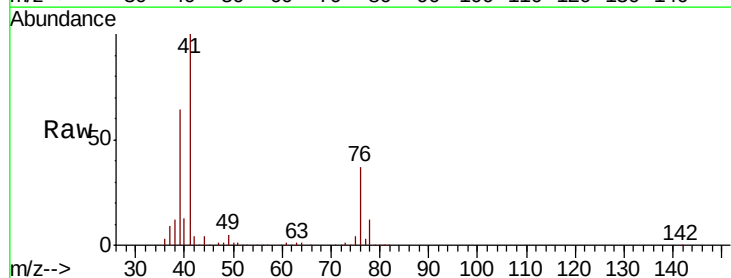
Tgt Ion: 41 Resp: 126151

Ion Ratio Lower Upper

41 100

39 59.6 48.9 73.3

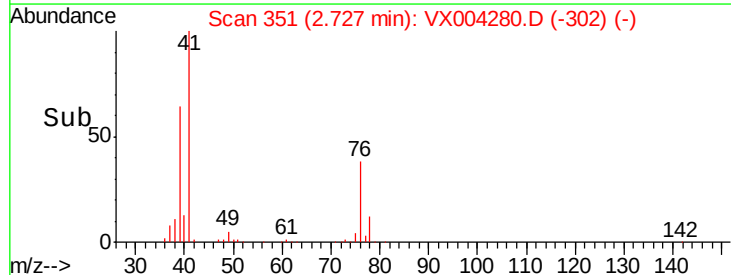
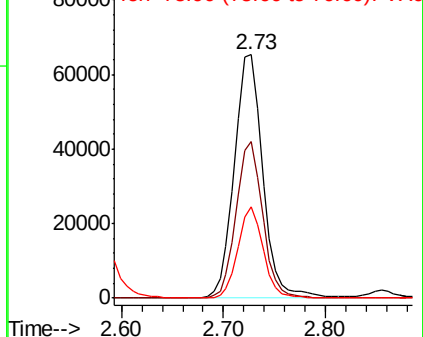
76 33.0 26.7 40.1

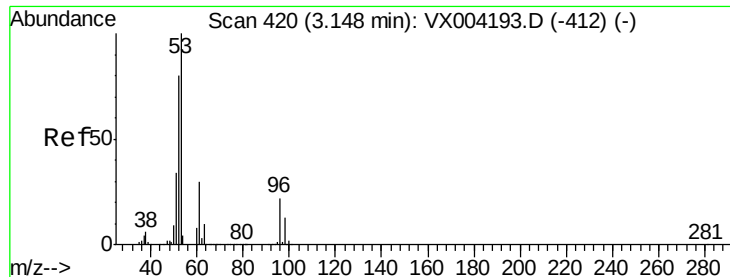


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 97.63 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

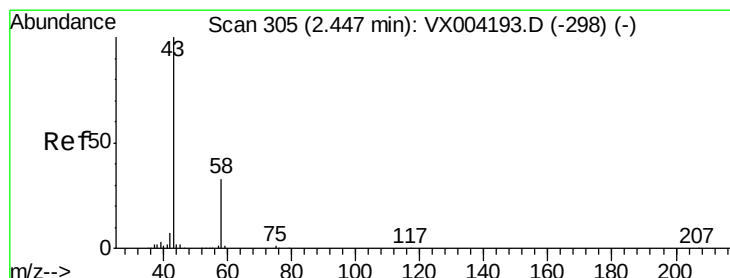
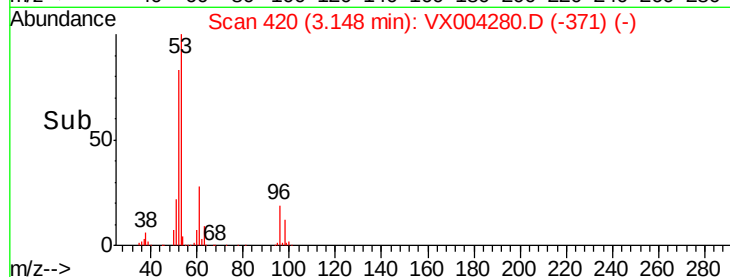
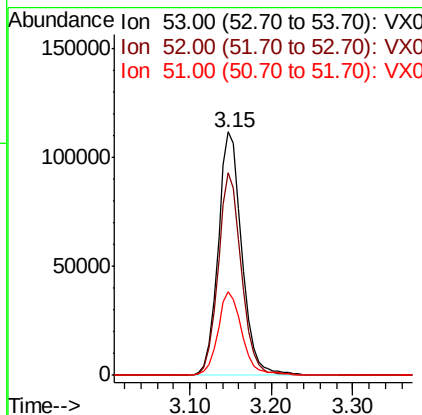
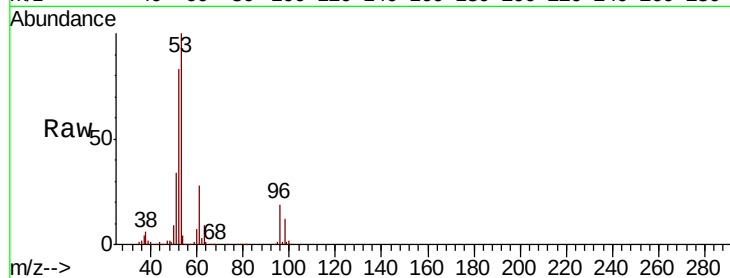
ClientSampleId :

VX0829WBS01

Tot Ion:	53	Resp:	224339
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.2	97.8
51	34.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 100.78 ug/l

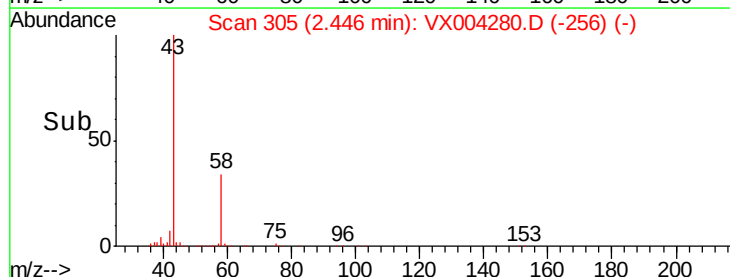
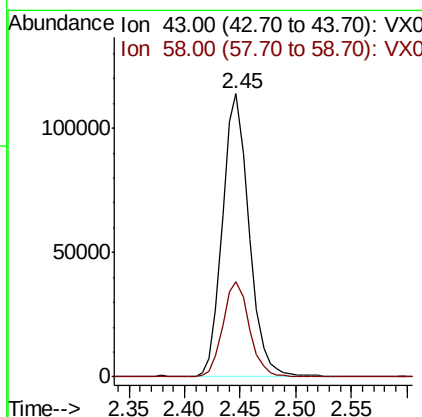
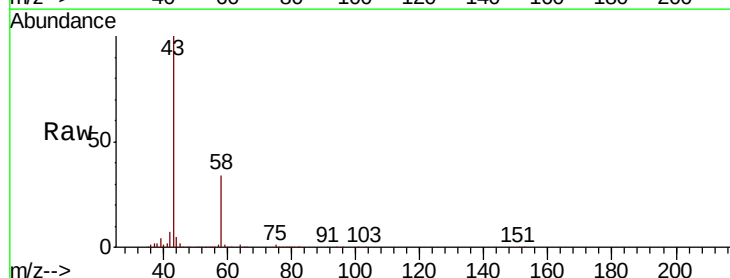
RT: 2.45 min Scan# 305

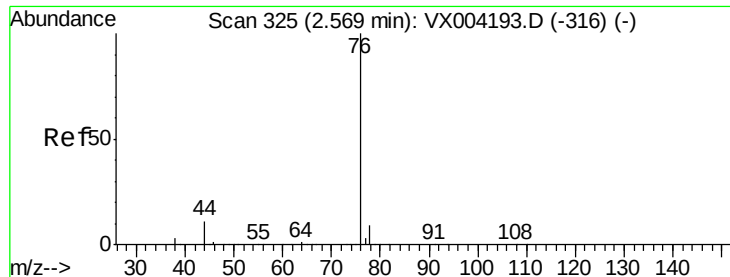
Delta R.T. 0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion:	43	Resp:	187633
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.2	39.4





#17

Carbon Disulfide

Concen: 17.90 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 76 Resp: 170721

Ion Ratio Lower Upper

76 100

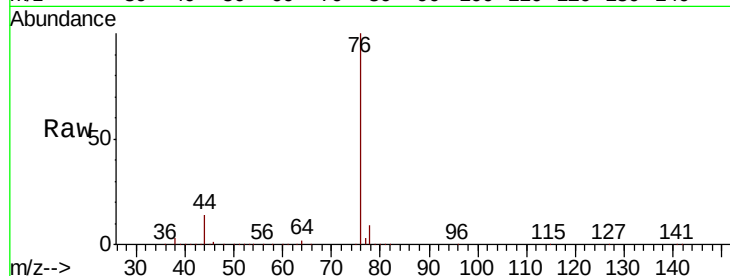
78 9.2 7.0 10.6

Manual Integrations

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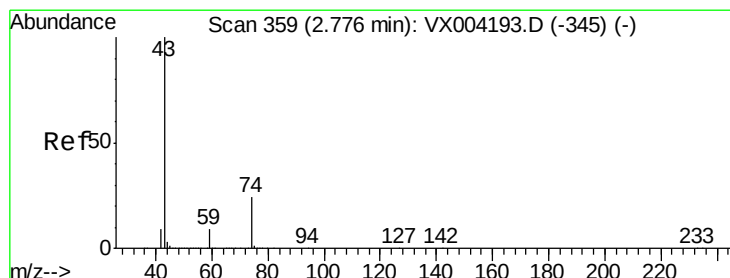
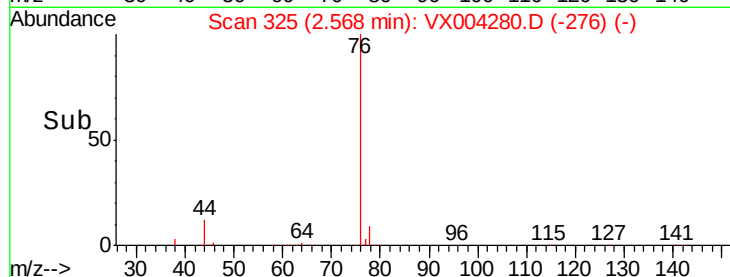
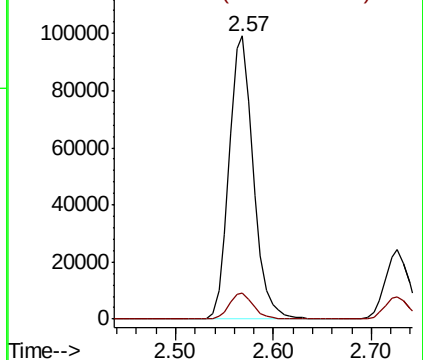
MMDadoda

8/30/2018 1:38:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.98 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004280.D

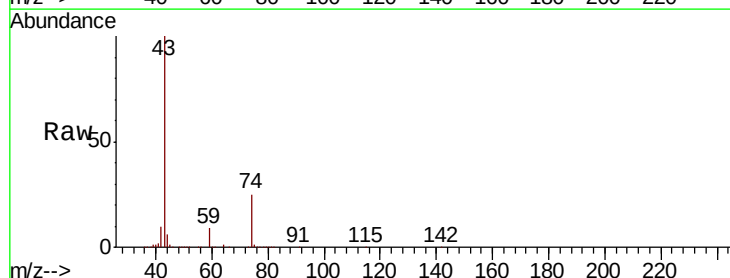
Acq: 29 Aug 2018 09:36

Tgt Ion: 43 Resp: 148435

Ion Ratio Lower Upper

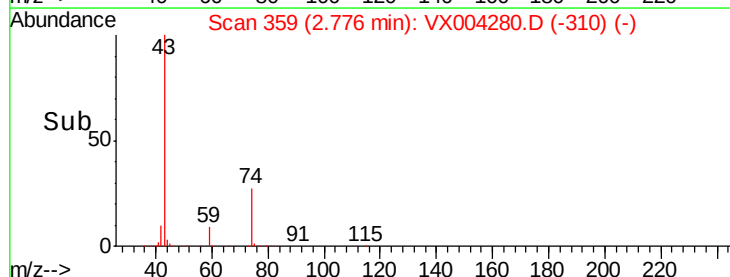
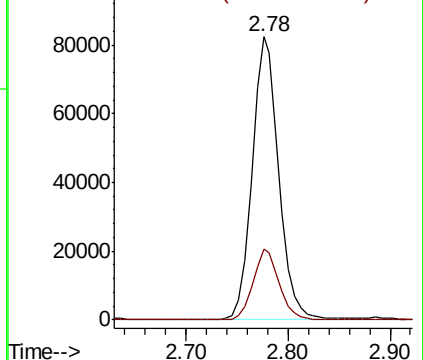
43 100

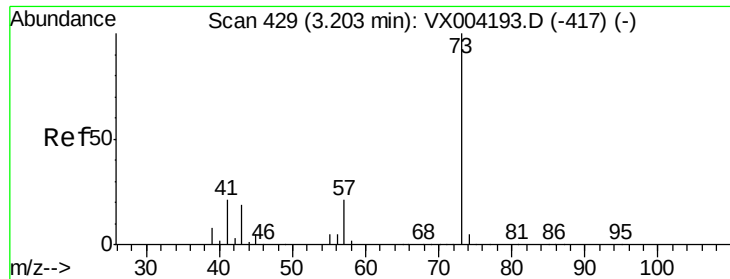
74 25.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





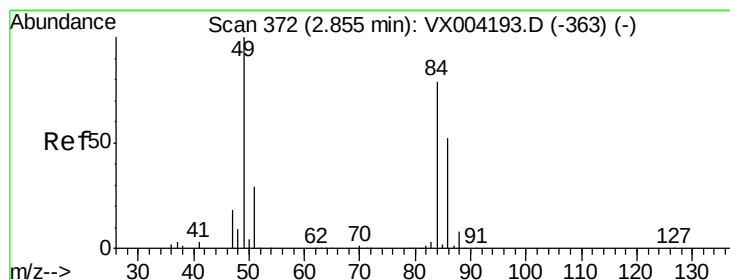
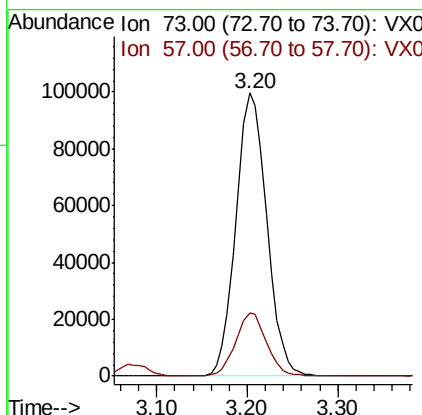
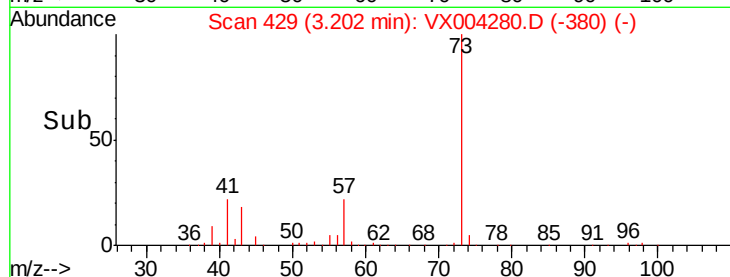
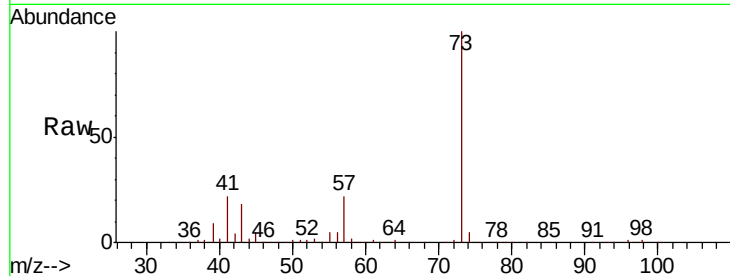
#19
Methyl tert-butyl Ether
Concen: 20.28 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion: 73 Resp: 236483
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

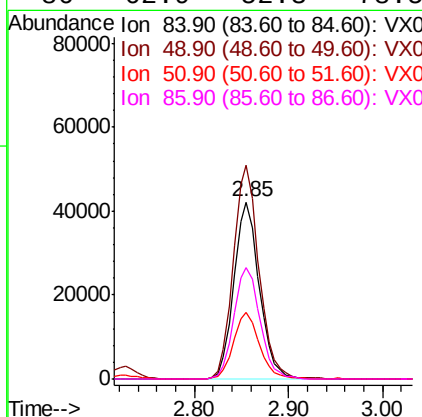
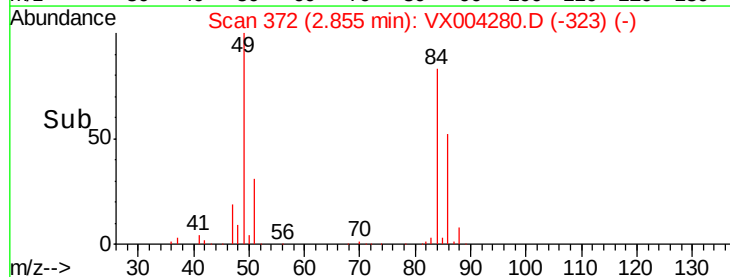
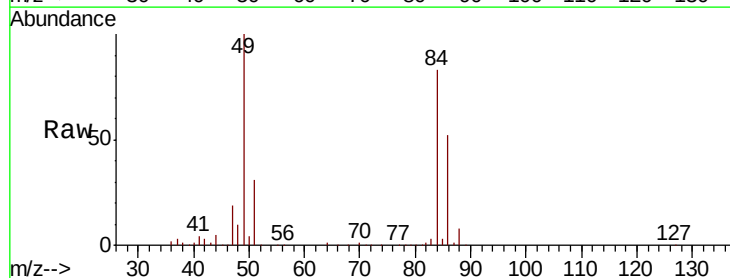
Manual Integrations
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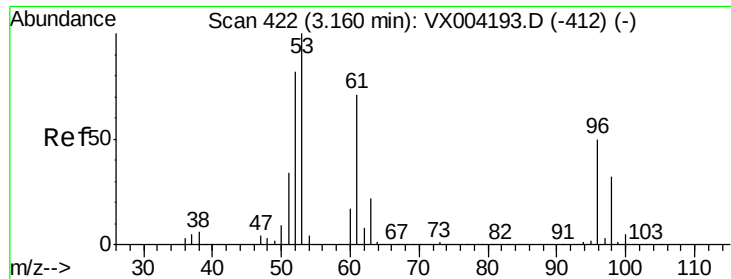
MMDadoda
8/30/2018 1:38:33 PM



#20
Methylene Chloride
Concen: 18.95 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion: 84 Resp: 79385
Ion Ratio Lower Upper
84 100
49 120.5 101.2 151.8
51 37.3 29.5 44.3
86 62.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.73 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 96 Resp: 73342

Ion Ratio Lower Upper

96 100

61 134.4 113.8 170.6

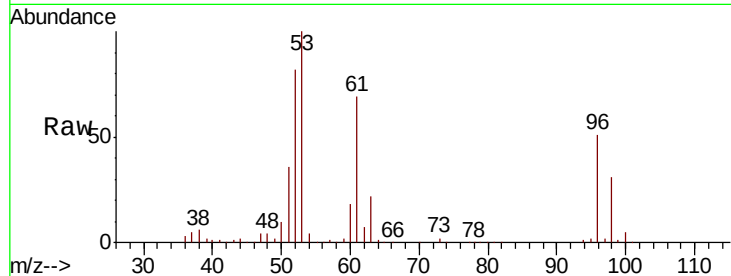
98 61.5 51.8 77.8

Manual Integrations

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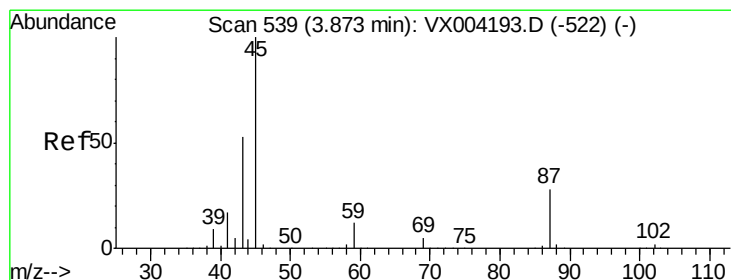
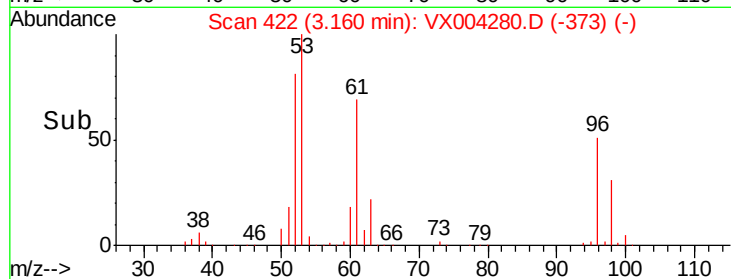
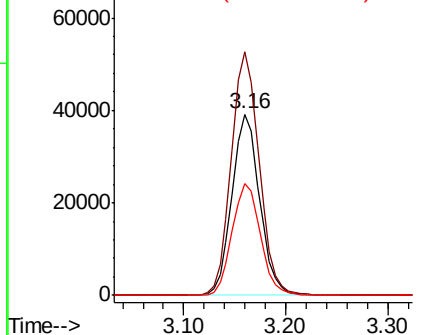
8/30/2018 1:38:33 PM



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: 19.39 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion: 45 Resp: 235342

Ion Ratio Lower Upper

45 100

43 60.4 42.8 64.2

87 27.3 22.6 34.0

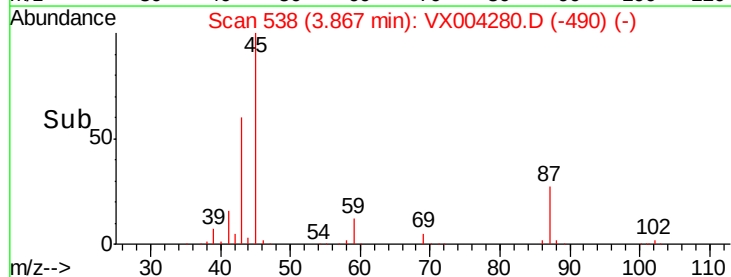
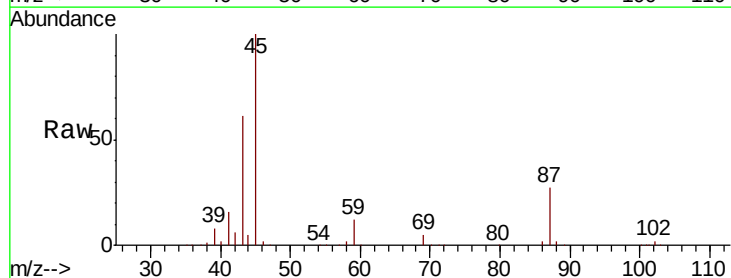
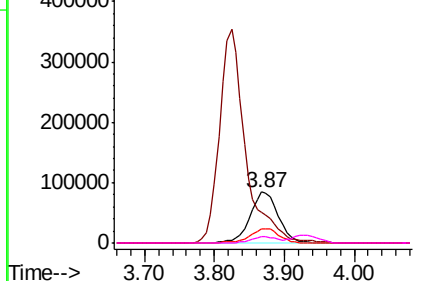
59 12.1 9.6 14.4

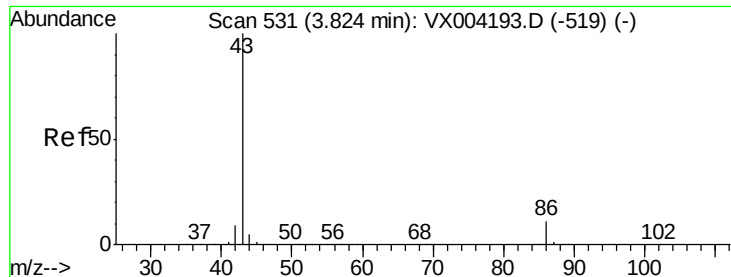
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 93.58 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 43 Resp: 920487

Ion Ratio Lower Upper

43 100

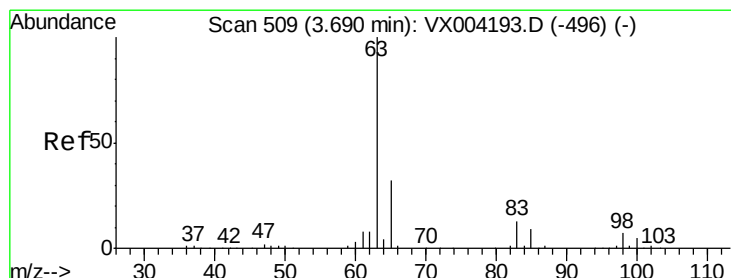
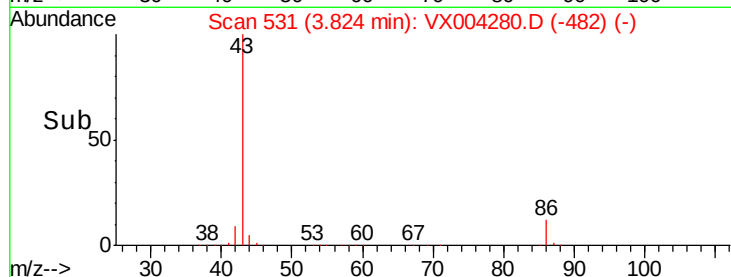
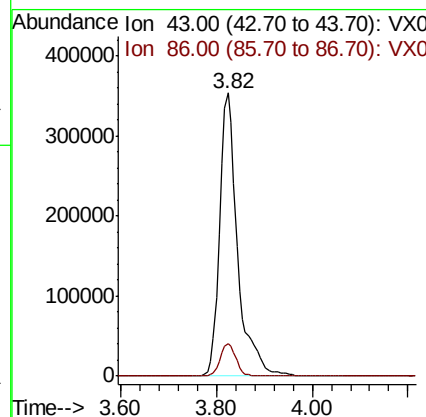
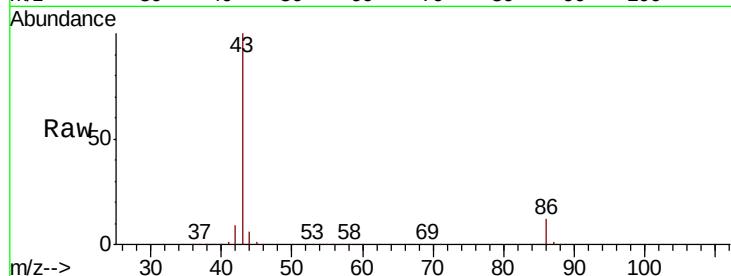
86 11.7 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.50 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

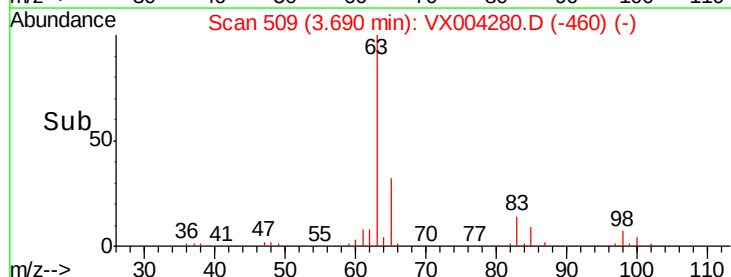
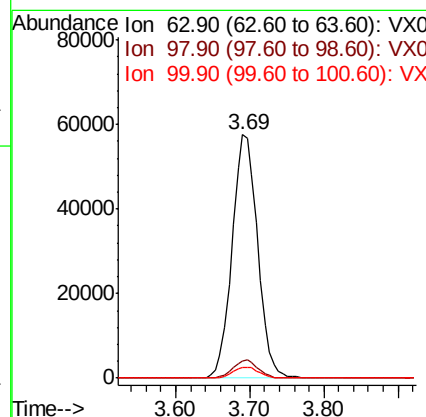
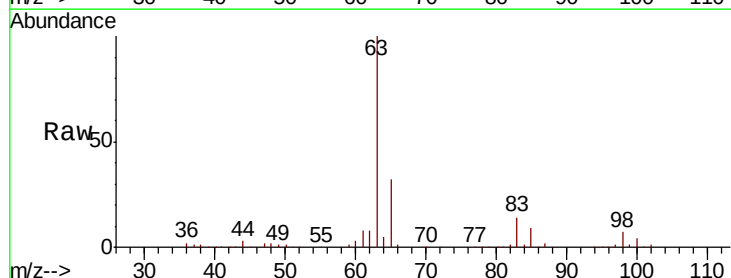
Tgt Ion: 63 Resp: 137928

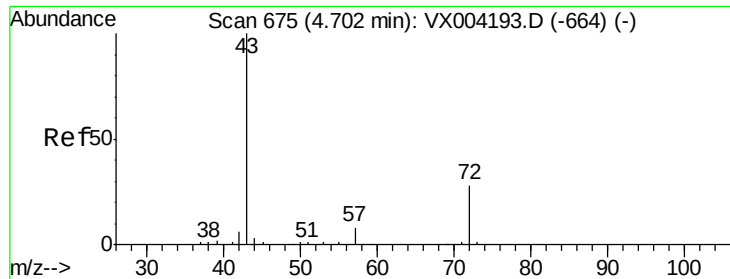
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 97.30 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 43 Resp: 288865

Ion Ratio Lower Upper

43 100

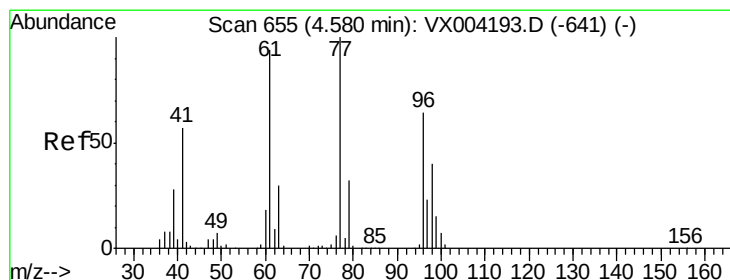
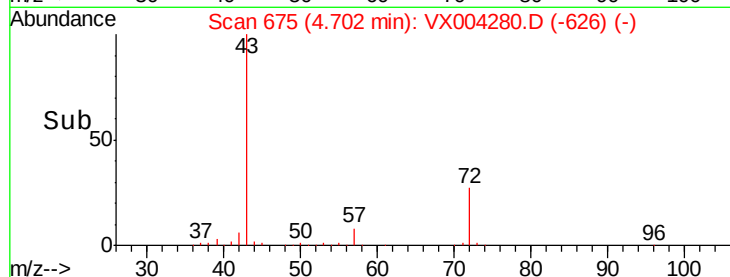
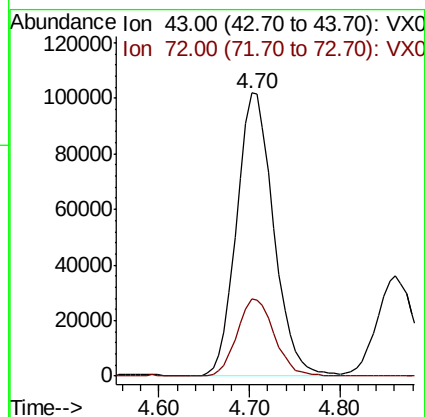
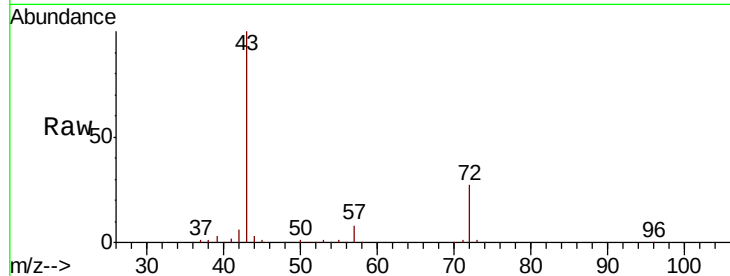
72 27.2 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

8/30/2018 1:38:33 PM



#26

2,2-Dichloropropane

Concen: 19.17 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004280.D

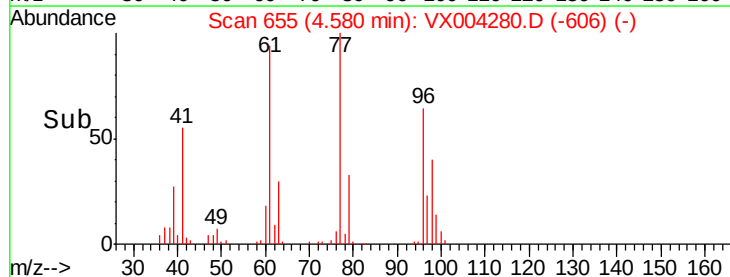
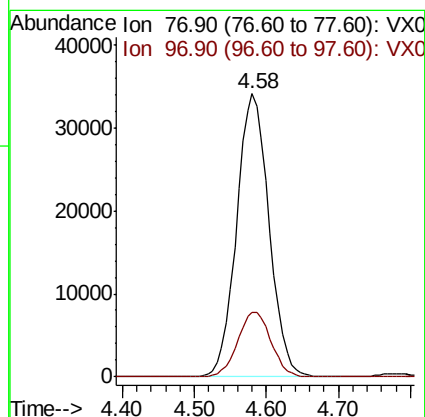
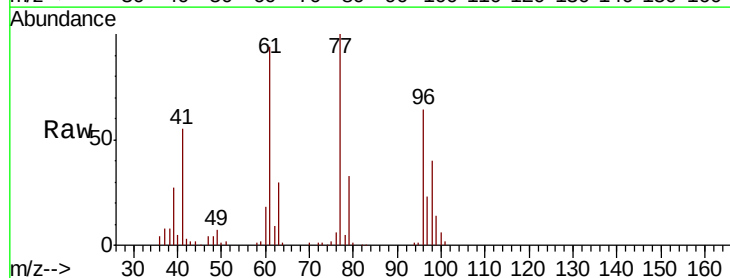
Acq: 29 Aug 2018 09:36

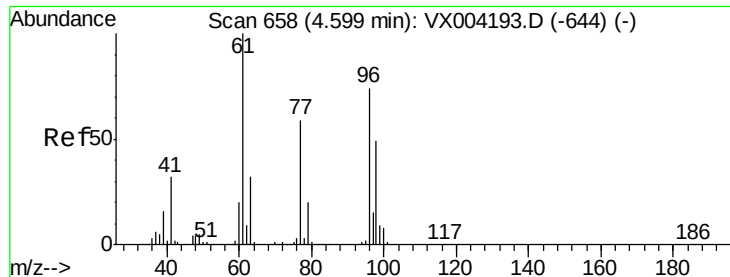
Tgt Ion: 77 Resp: 106359

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.07 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

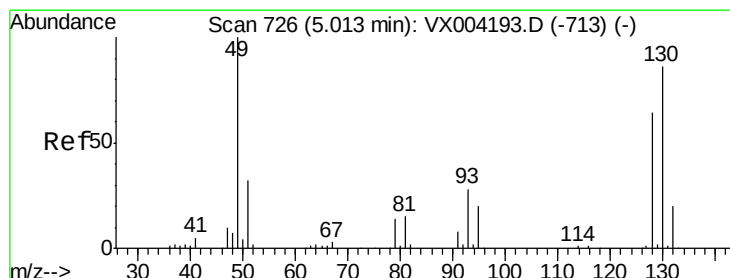
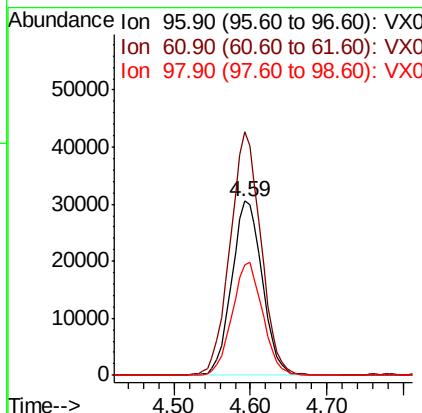
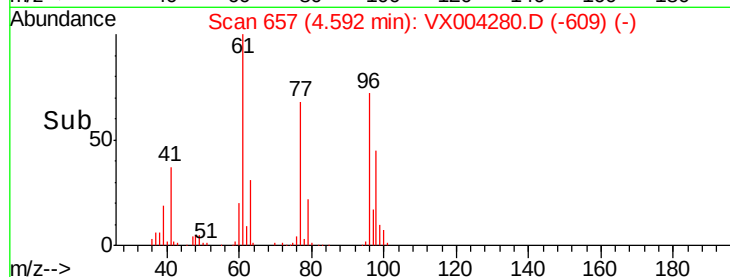
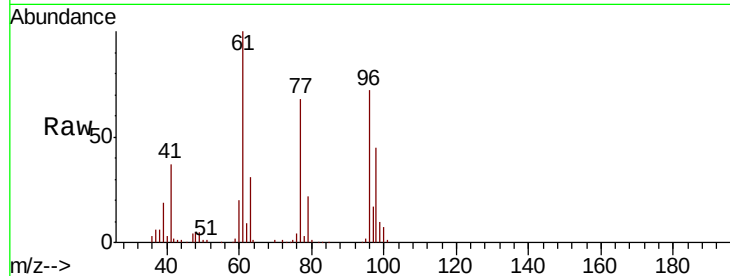
ClientSampleId :

VX0829WBS01

Tot Ion:	96	Resp:	84702
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	282.6
98	64.5	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.05 ug/l

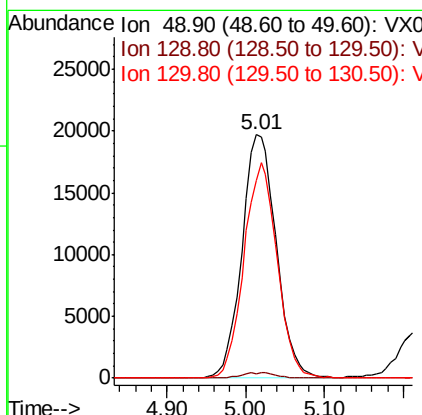
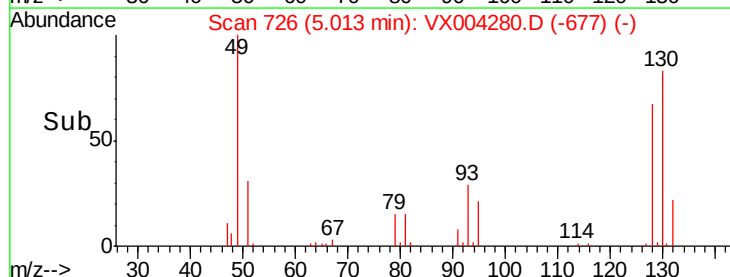
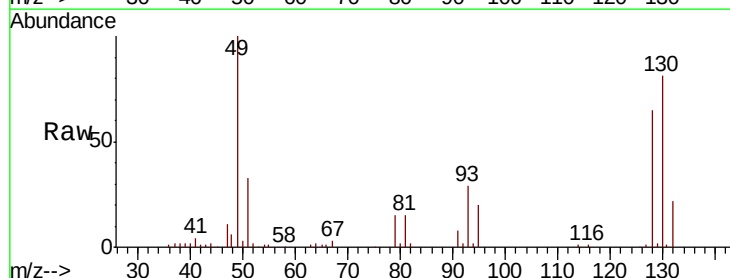
RT: 5.01 min Scan# 726

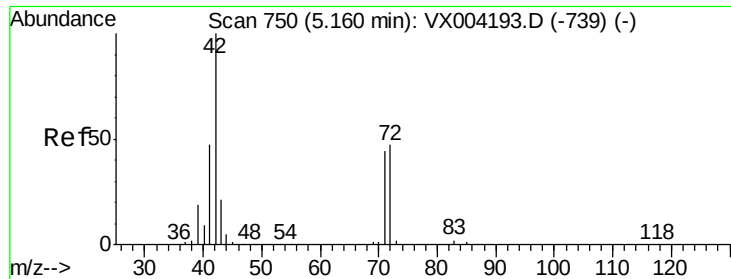
Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion:	49	Resp:	59649
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	85.3	67.5	101.3





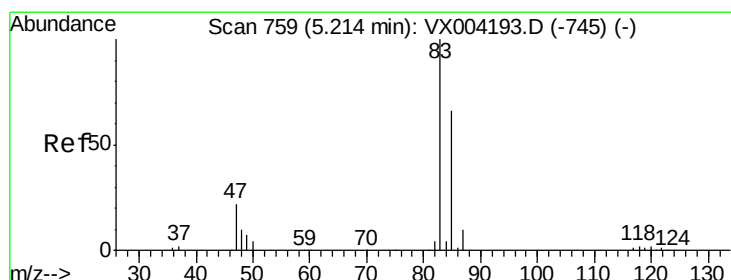
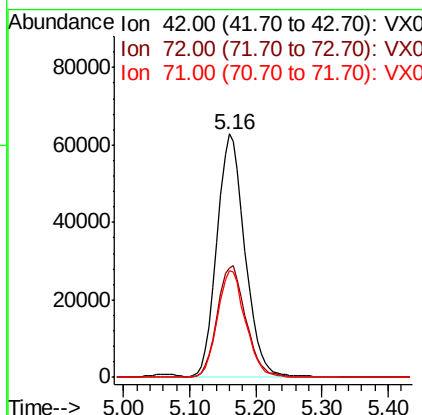
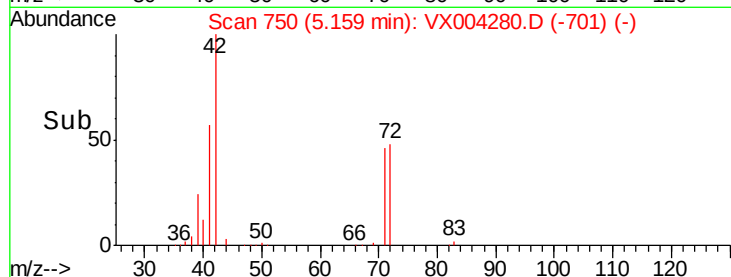
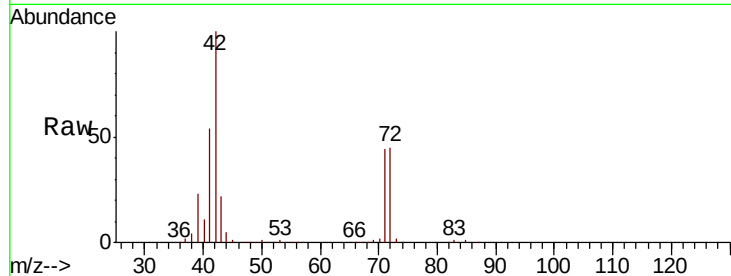
#29
Tetrahydrofuran
Concen: 98.25 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion:	42	Resp:	183743
Ion Ratio	Lower	Upper	
42	100		
72	47.2	37.4	56.0
71	43.8	34.5	51.7

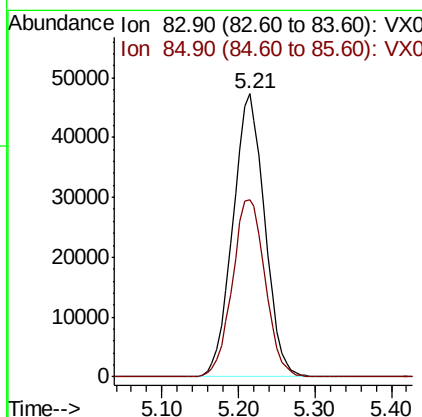
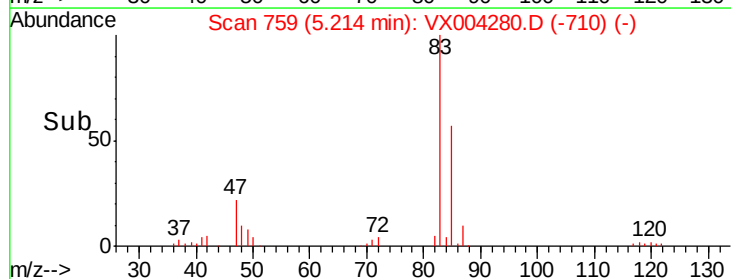
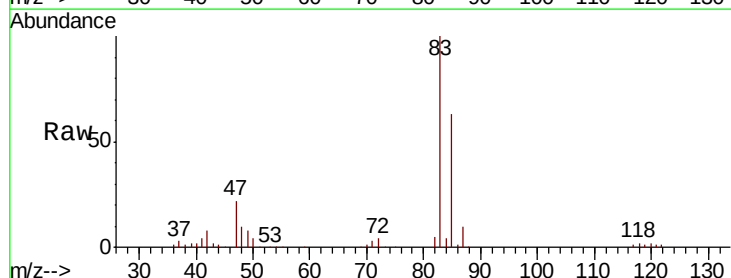
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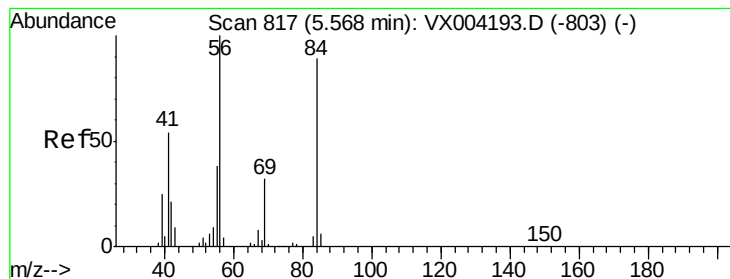
MMDadoda
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#30
Chloroform
Concen: 19.25 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion:	83	Resp:	136500
Ion Ratio	Lower	Upper	
83	100		
85	62.5	52.6	79.0





#31

Cyclohexane

Concen: 18.39 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

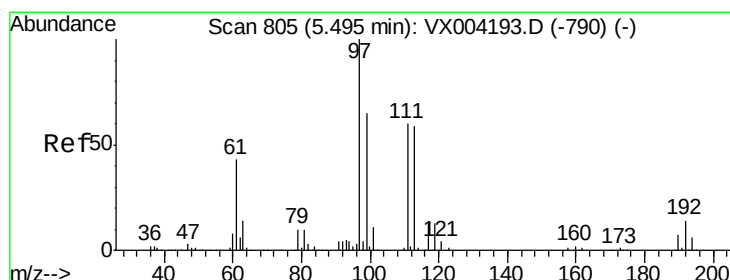
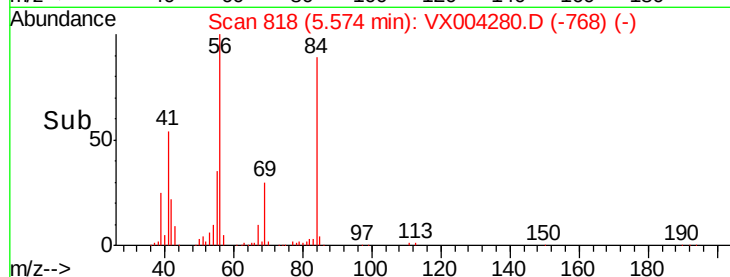
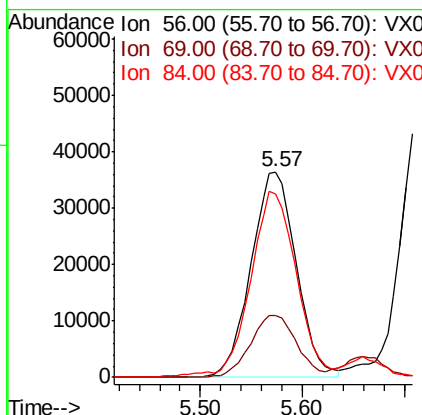
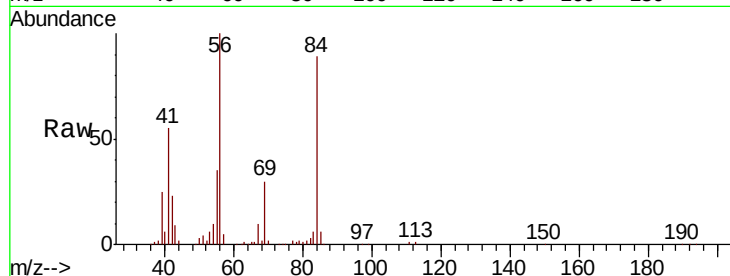
ClientSampleId :

VX0829WBS01

Tot Ion:	56	Resp:	112242
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.4	38.2
84	87.3	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.46 ug/l

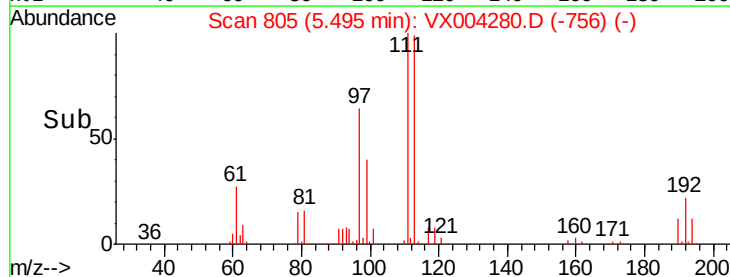
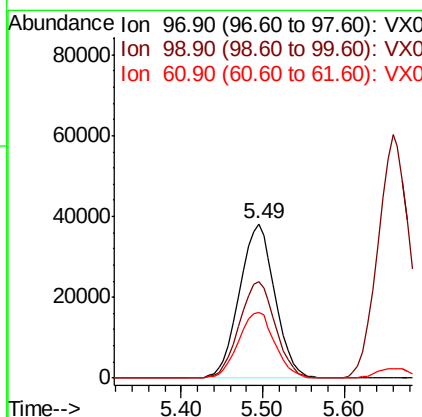
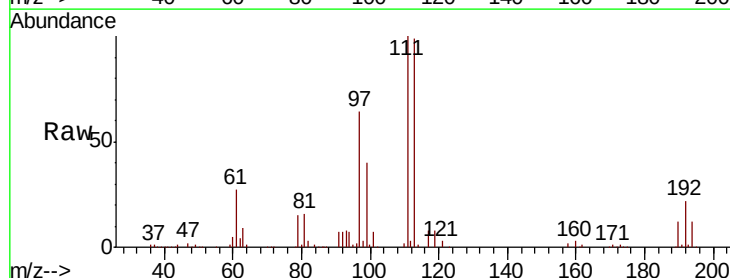
RT: 5.49 min Scan# 805

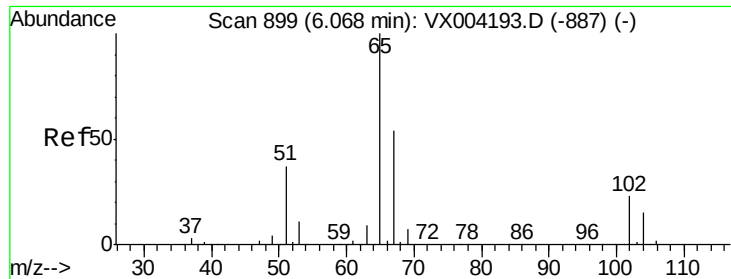
Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion:	97	Resp:	115081
Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.7	34.9	52.3





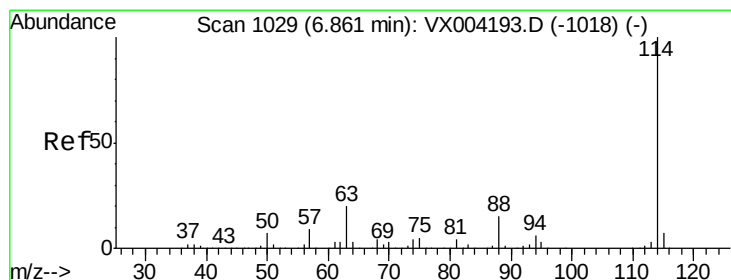
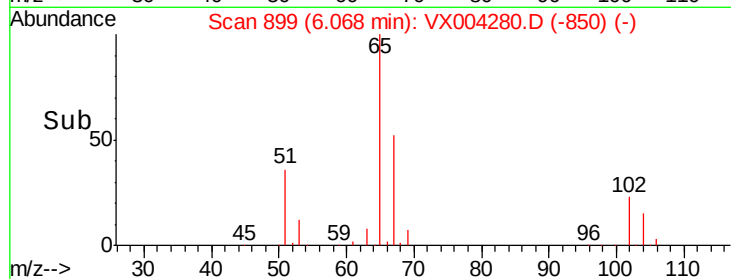
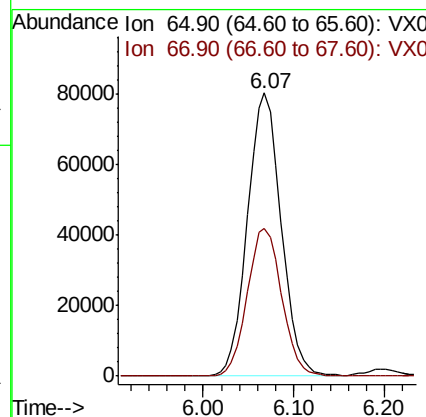
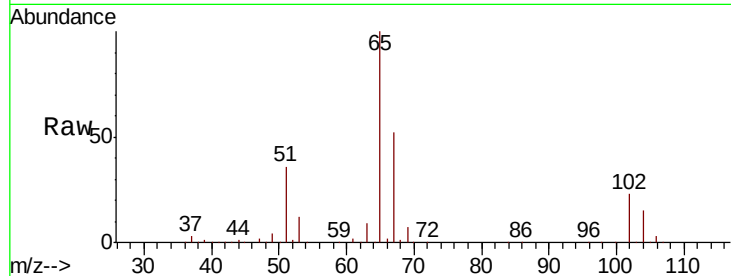
#33
 1,2-Dichloroethane-d4
 Concen: 47.42 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206404		
67	53.2	0.0	106.8	

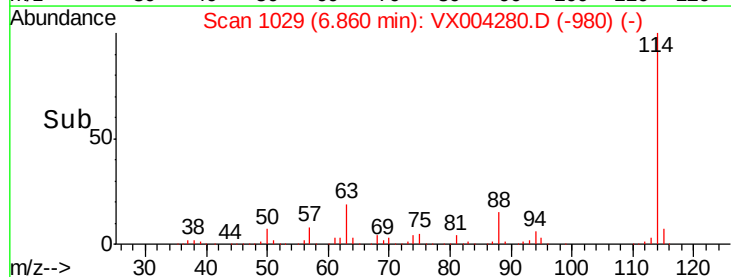
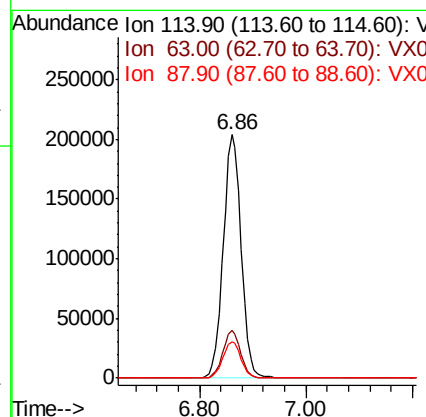
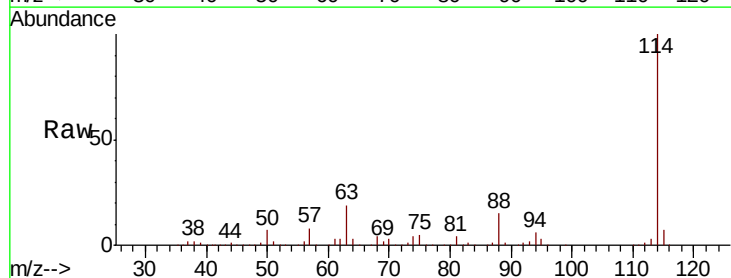
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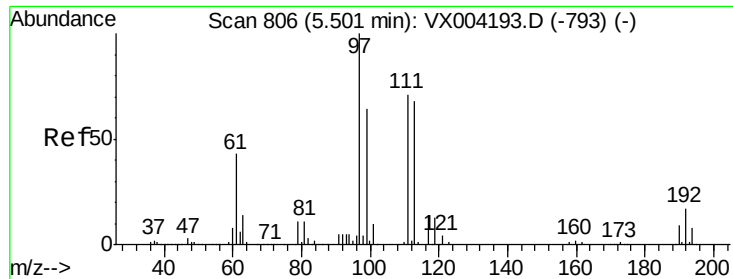
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	480438		
63	19.4	0.0	39.0	
88	15.0	0.0	30.4	





#35

Dibromofluoromethane

Concen: 49.45 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

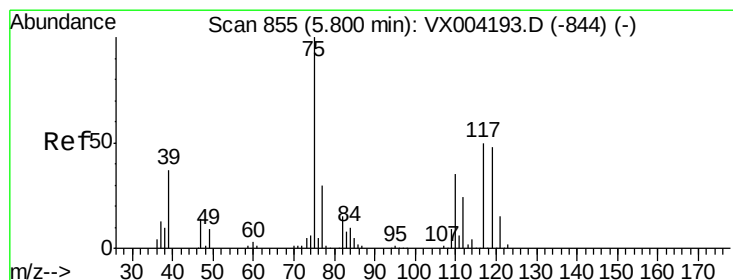
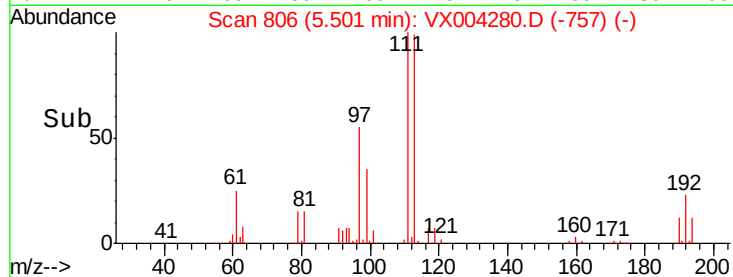
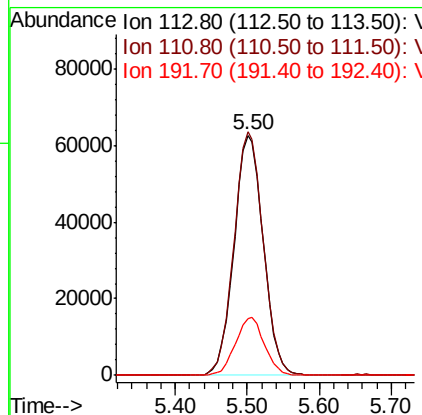
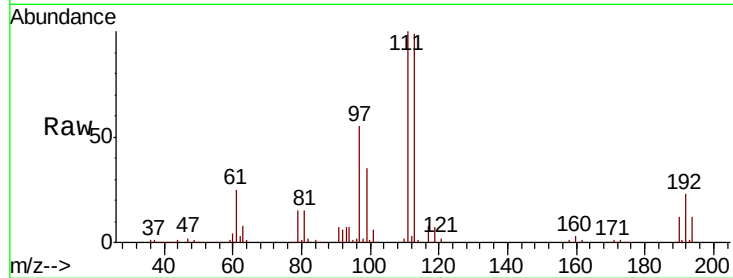
ClientSampleId :

VX0829WBS01

Tot Ion:	113	Resp:	176730
Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.4	123.6
192	23.8	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.62 ug/l

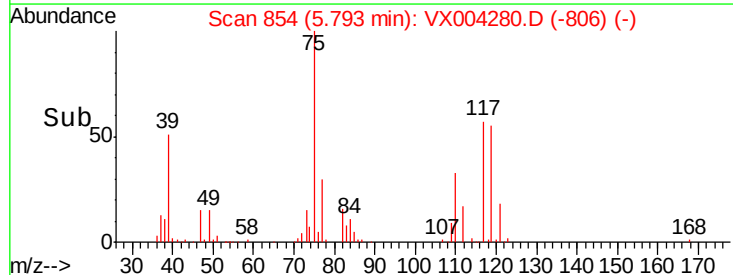
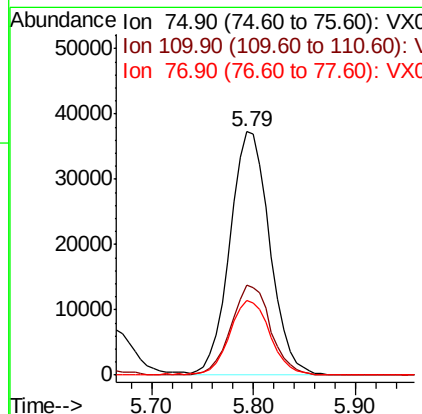
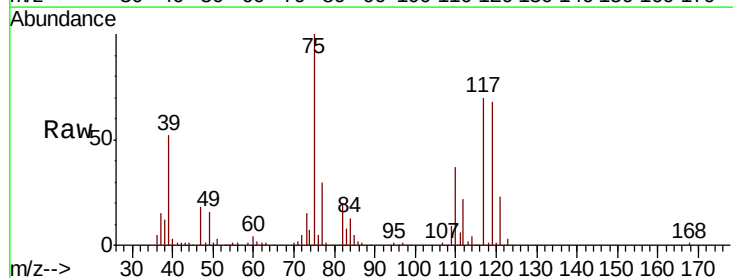
RT: 5.79 min Scan# 854

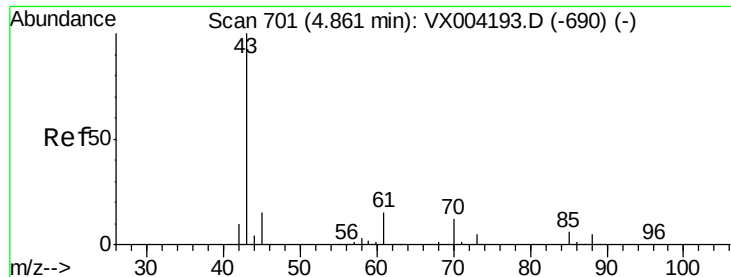
Delta R.T. -0.01 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion:	75	Resp:	100553
Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.0	54.0
77	31.2	24.6	36.8





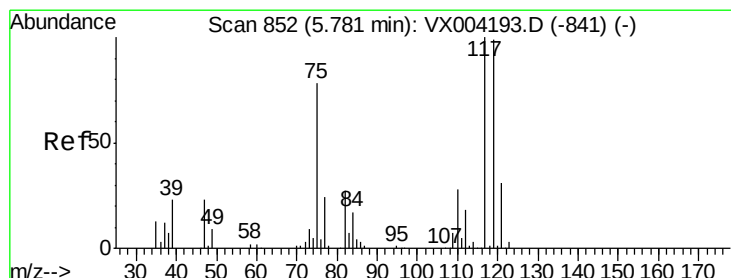
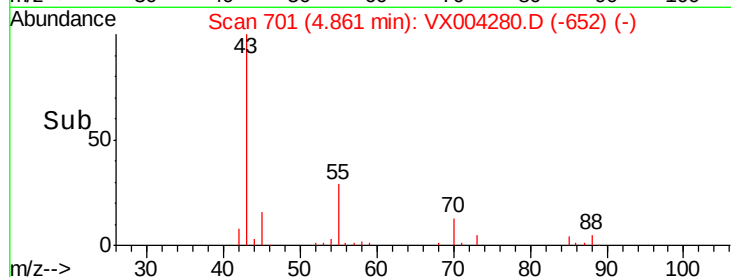
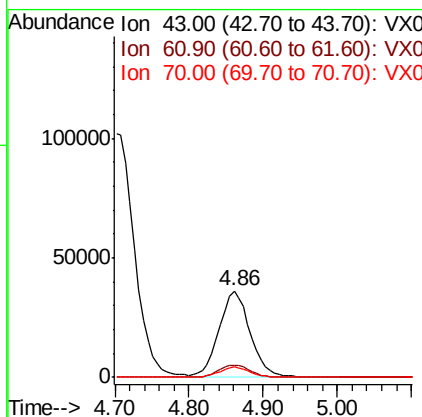
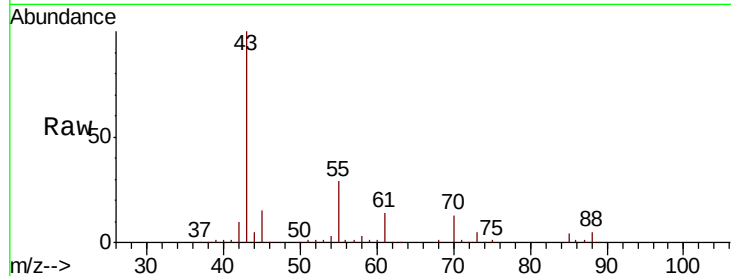
#37
Ethyl Acetate
Concen: 19.69 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.7	9.0	13.6

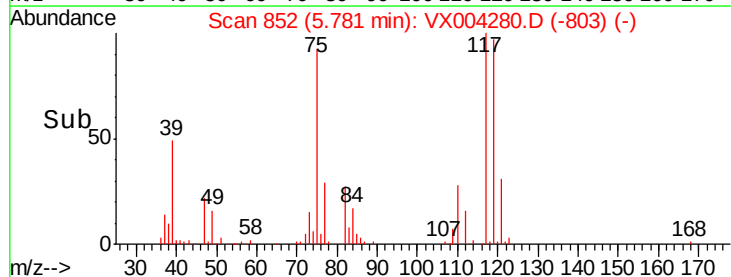
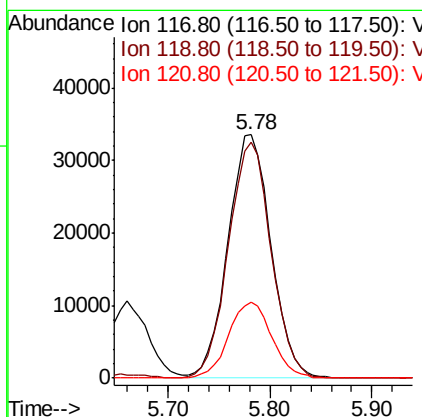
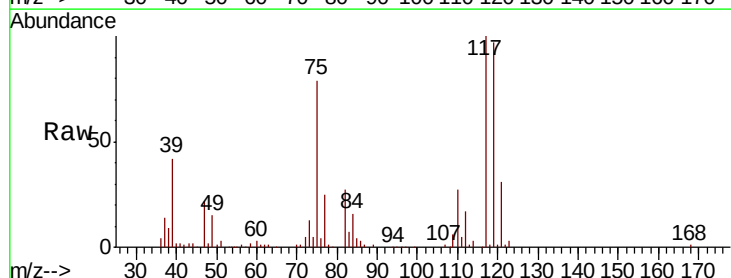
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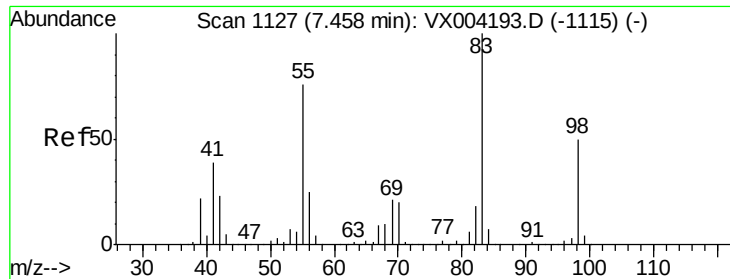
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#38
Carbon Tetrachloride
Concen: 19.21 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.8	118.2
121	31.3	24.9	37.3





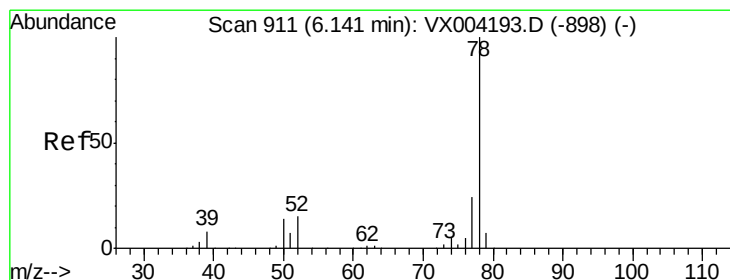
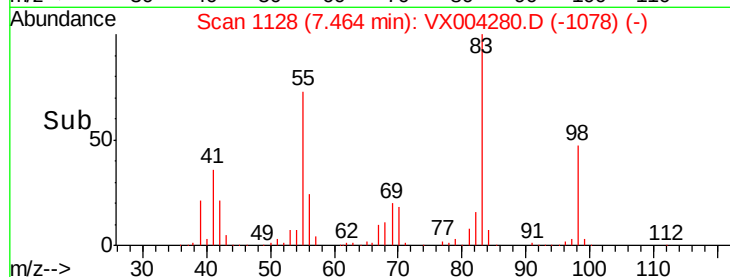
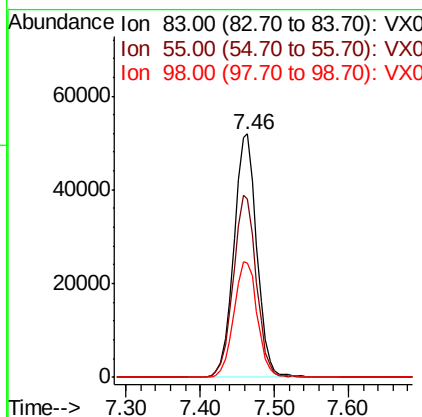
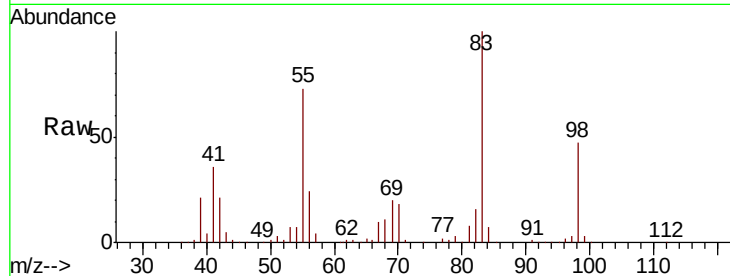
#39
Methylvlcyclohexane
Concen: 18.16 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.5	61.0	91.4	
98	47.0	39.6	59.4	

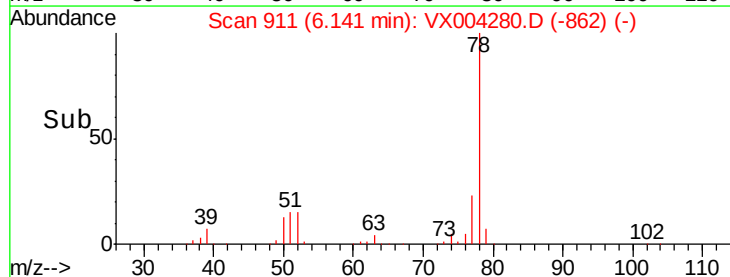
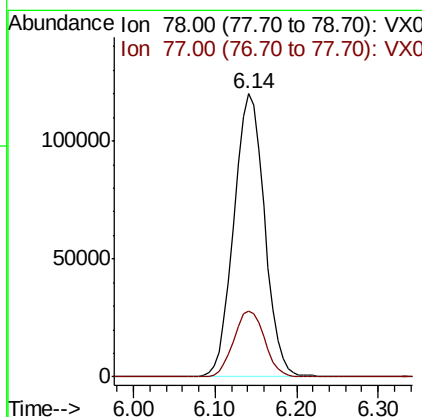
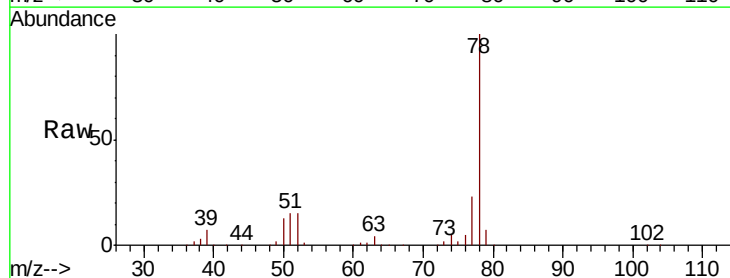
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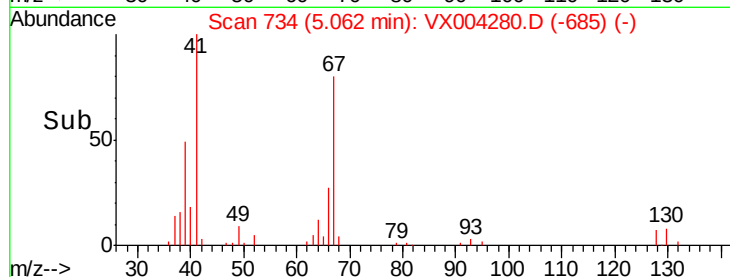
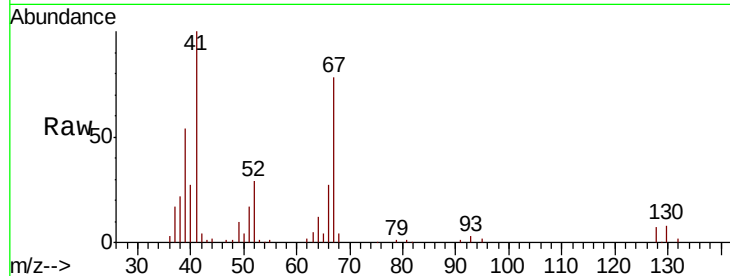
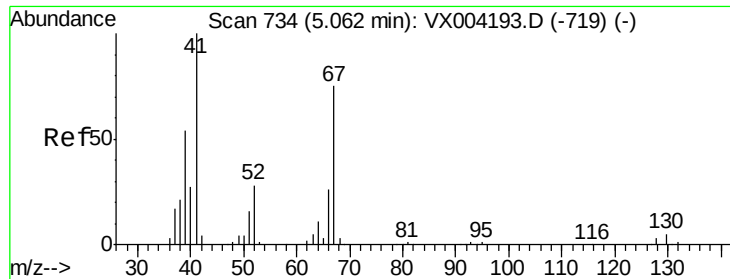
MMDadoda
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#40
Benzene
Concen: 19.38 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	19.0	28.4	





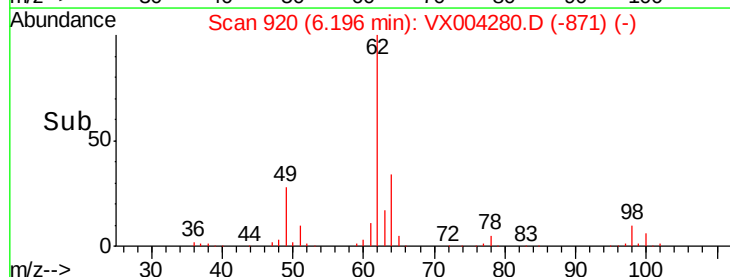
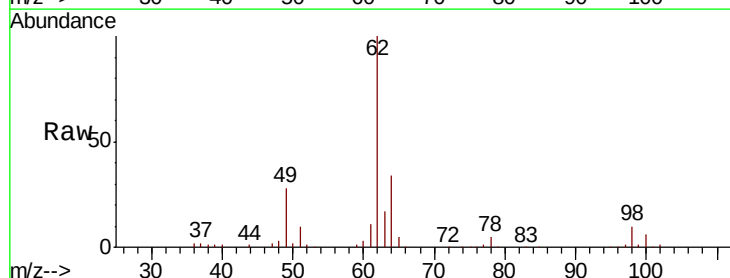
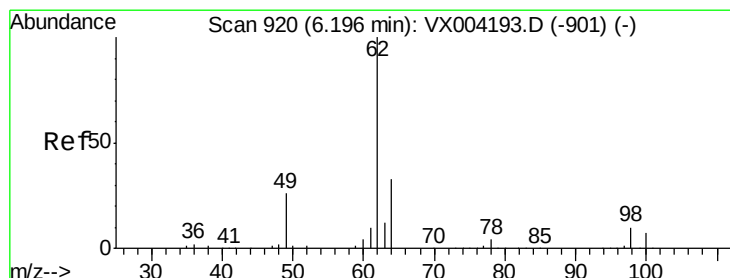
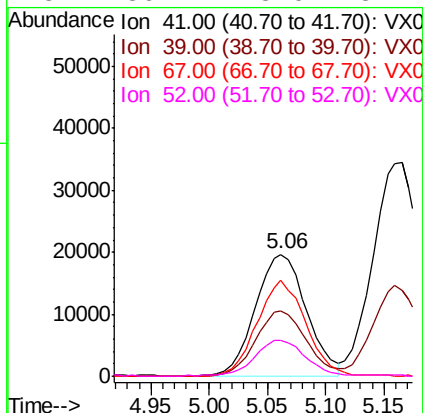
#41
Methacrylonitrile
Concen: 19.30 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	42.4	63.6	
67	76.3	59.2	88.8	
52	30.2	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

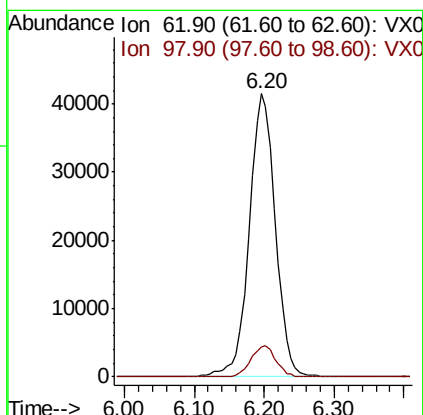
Manual Integrations
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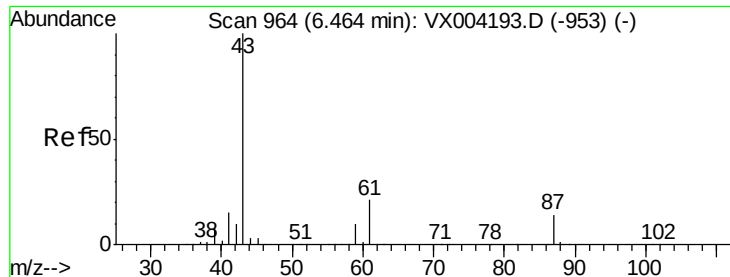
MMDadoda
8/30/2018 1:38:33 PM



#42
1,2-Dichloroethane
Concen: 19.46 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.6	





#43

Isopropyl Acetate

Concen: 19.87 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

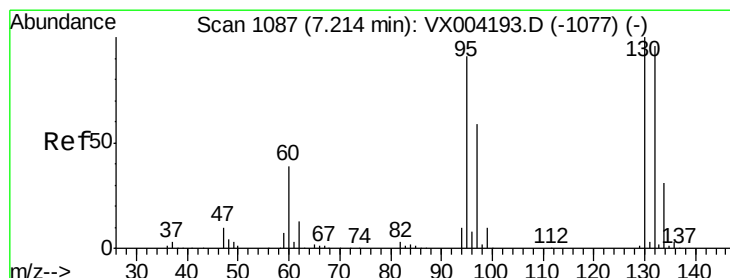
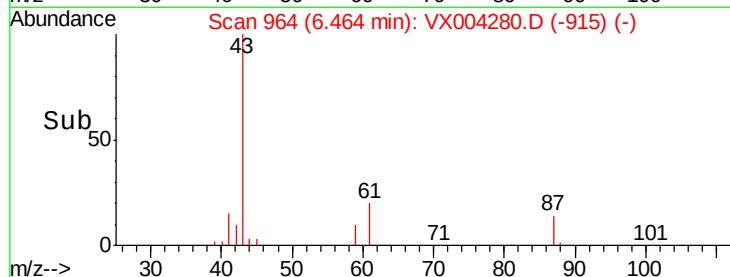
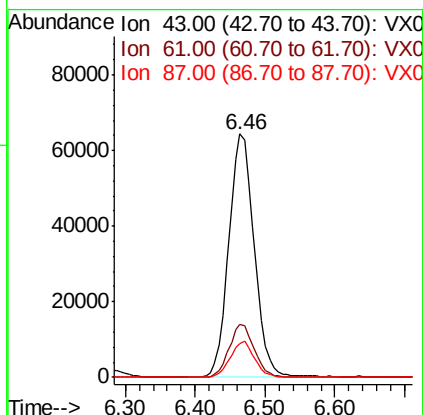
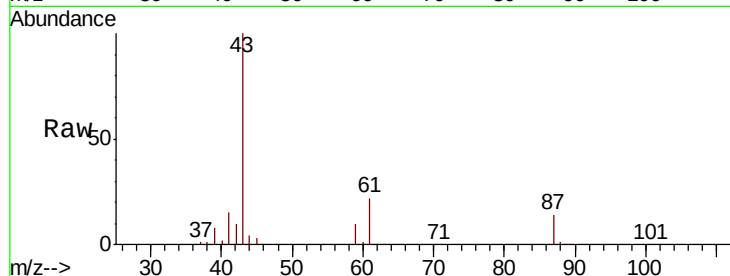
ClientSampleId :

VX0829WBS01

Tot Ion:	43	Resp:	162174
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	14.2	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.16 ug/l

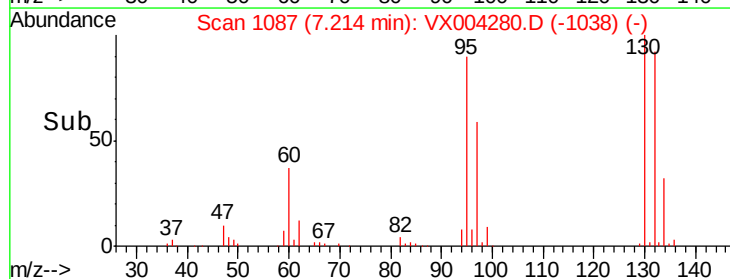
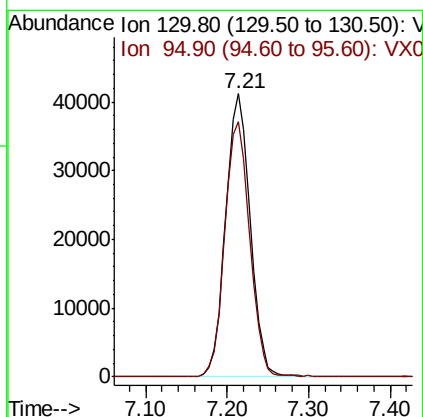
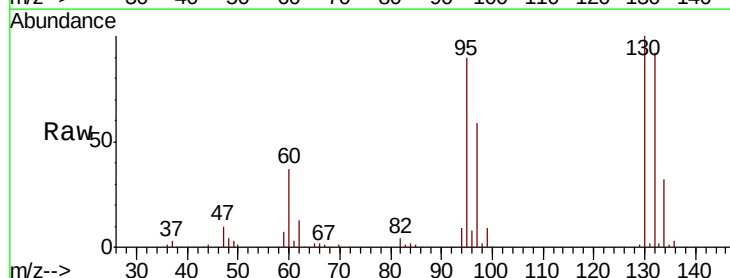
RT: 7.21 min Scan# 1087

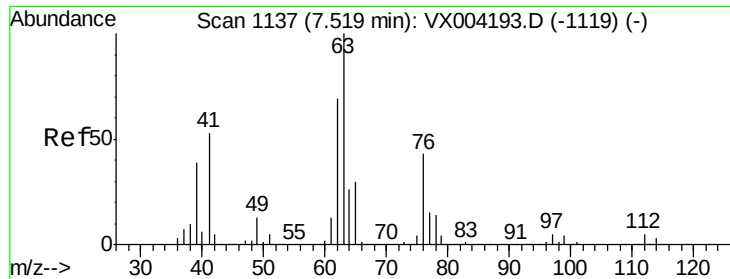
Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion:	130	Resp:	85587
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	181.6





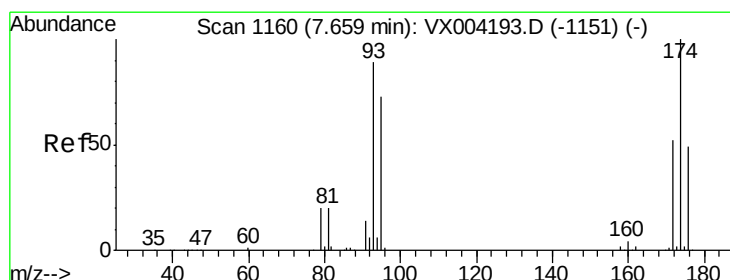
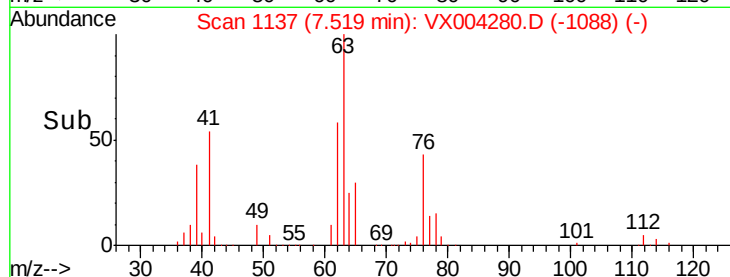
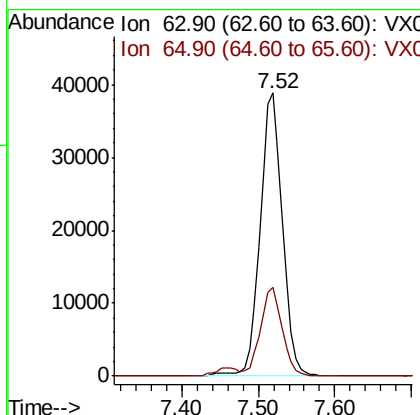
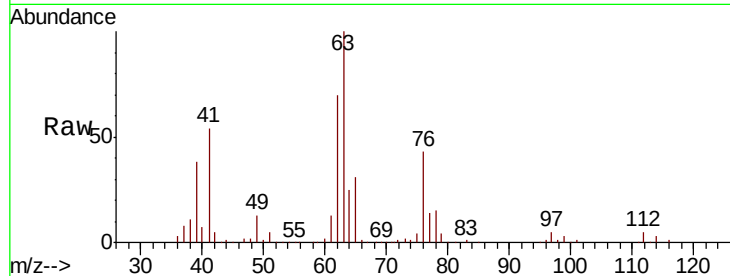
#45
 1,2-Dichloropropane
 Concen: 19.67 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.3	36.5

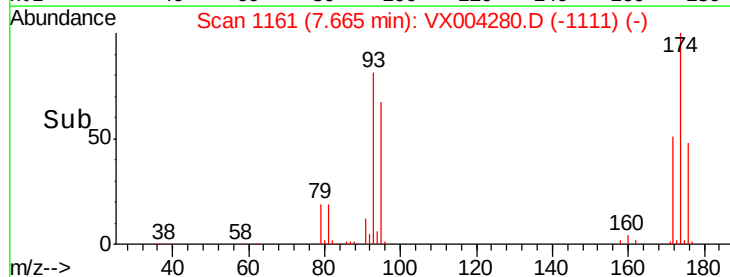
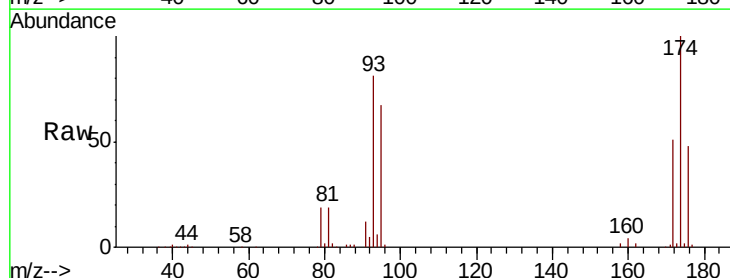
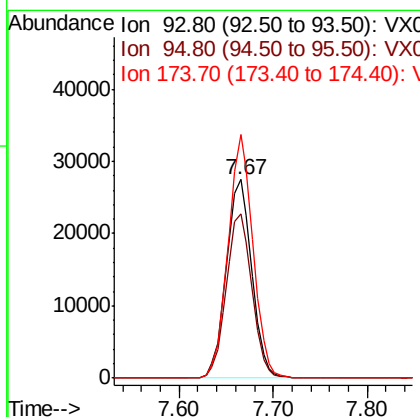
Manual Integrations
 APPROVED

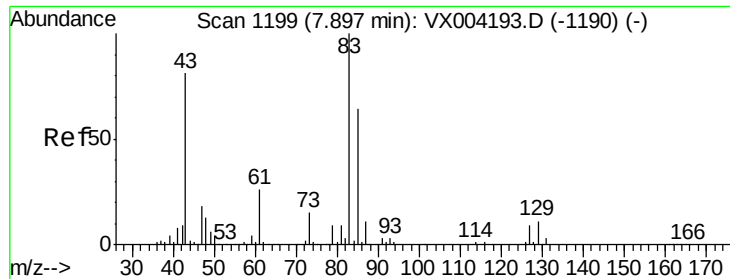
MMDadoda
 8/30/2018 1:38:33 PM



#46
 Dibromomethane
 Concen: 19.22 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.5	98.3
174	119.7	94.2	141.4





#47

Bromodichloromethane

Concen: 19.56 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

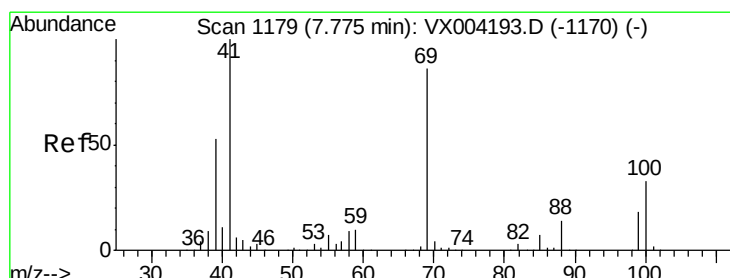
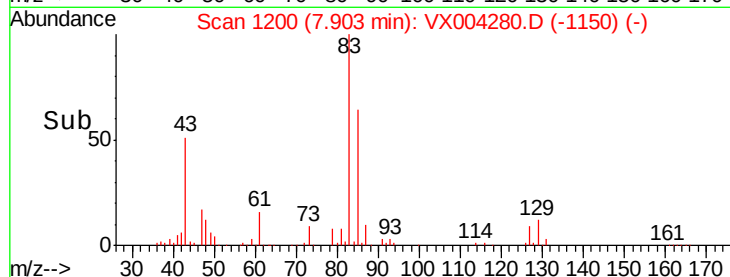
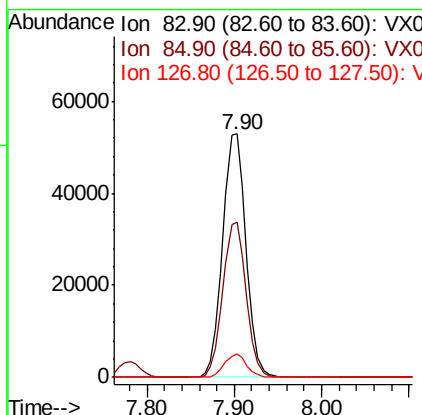
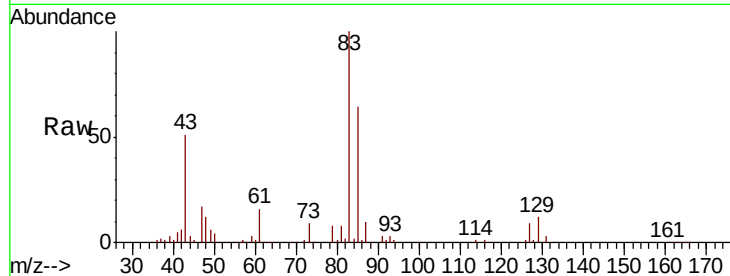
ClientSampleId :

VX0829WBS01

Tot Ion:	83	Resp:	97875
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.9	76.3
127	9.4	7.3	10.9

Manual Integrations
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MMDadoda
8/30/2018 1:38:33 PM



#48

Methyl methacrylate

Concen: 19.57 ug/l

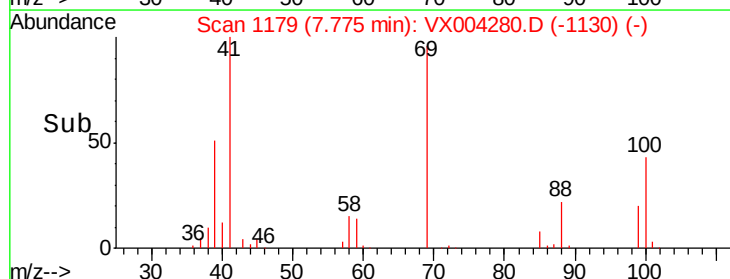
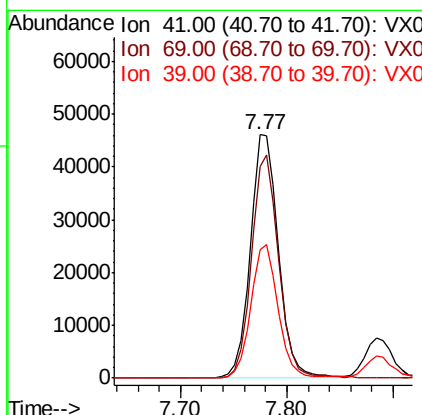
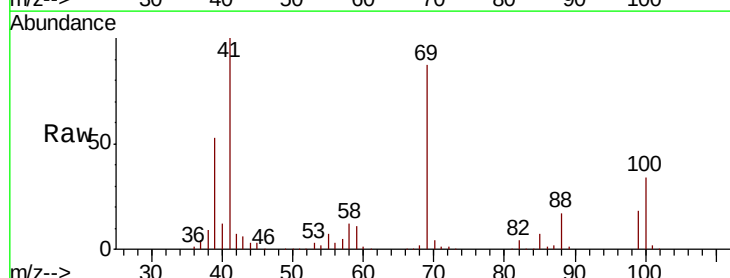
RT: 7.77 min Scan# 1179

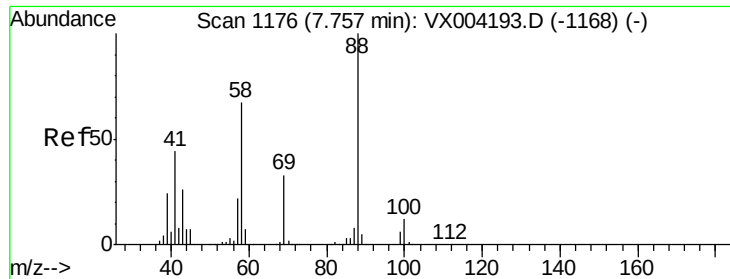
Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion:	41	Resp:	85489
Ion Ratio	Lower	Upper	
41	100		
69	88.6	70.2	105.4
39	52.9	42.7	64.1





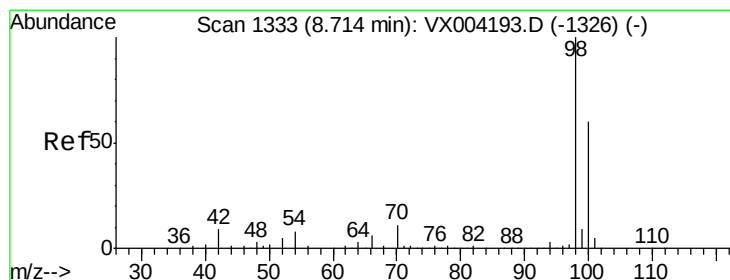
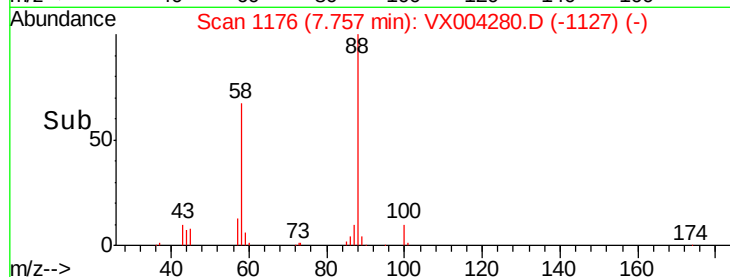
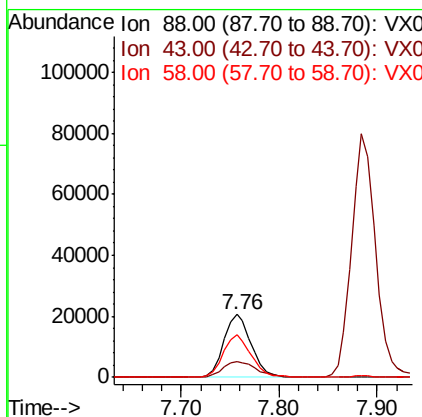
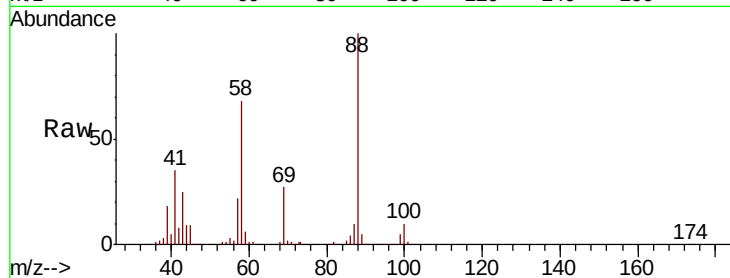
#49
1,4-Dioxane
Concen: 402.51 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	24.7	37.1
58	68.8	55.3	82.9

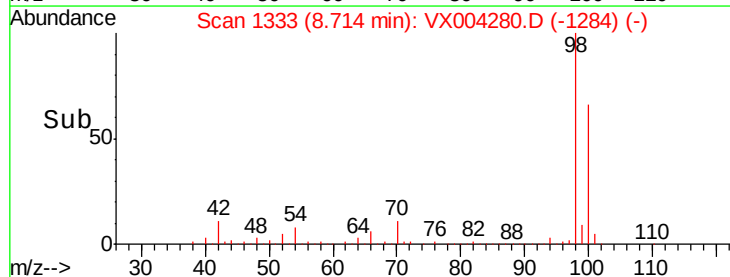
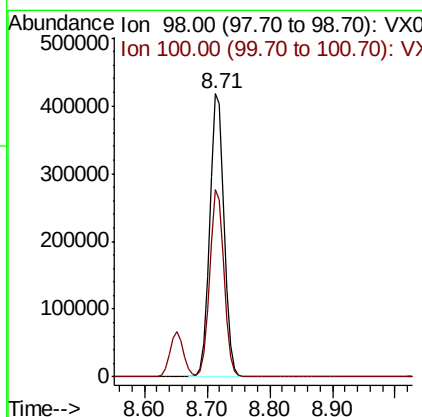
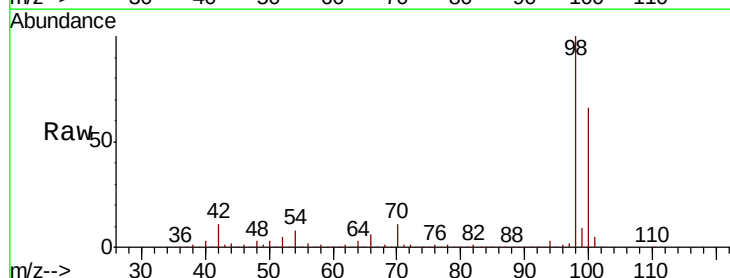
Manual Integrations
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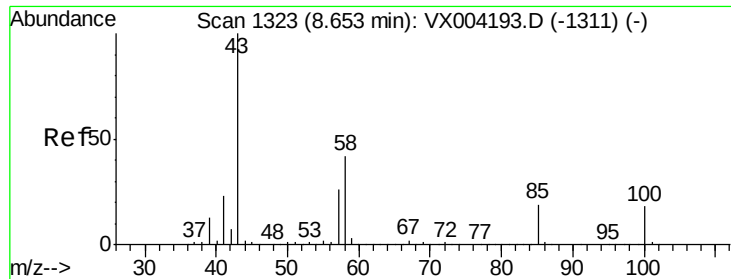
MMDadoda
8/30/2018 1:38:33 PM



#50
Toluene-d8
Concen: 48.66 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 95.08 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 43 Resp: 563902

Ion Ratio Lower Upper

43 100

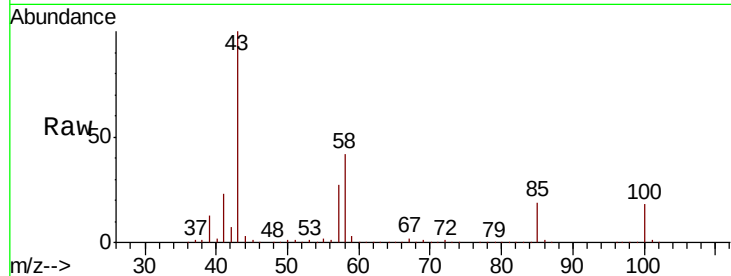
58 41.1 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

400000

300000

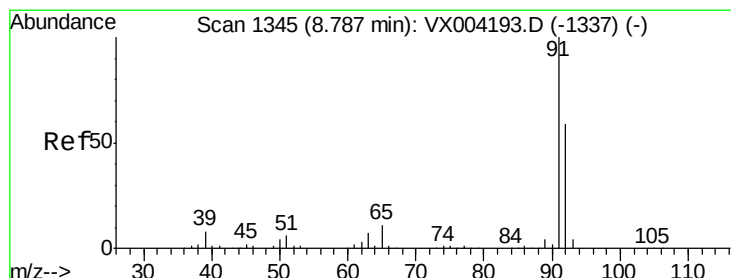
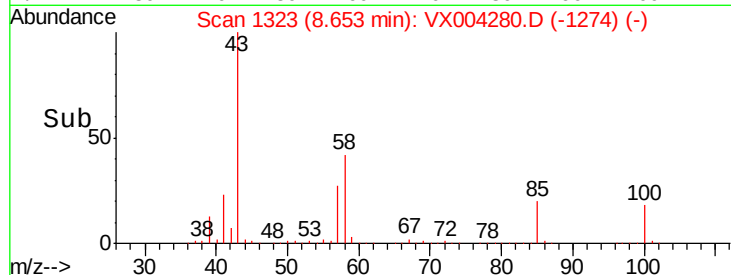
200000

100000

0

8.60 8.65 8.70 8.80

Time-->



#52

Toluene

Concen: 19.84 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004280.D

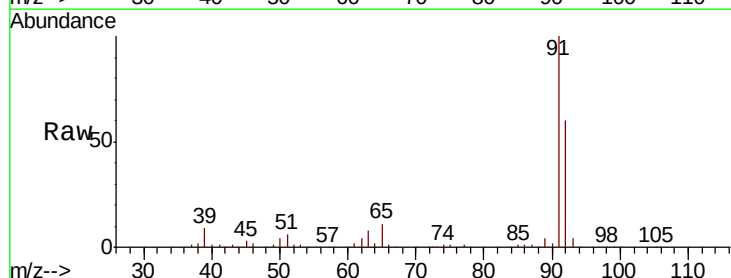
Acq: 29 Aug 2018 09:36

Tgt Ion: 92 Resp: 200453

Ion Ratio Lower Upper

92 100

91 169.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

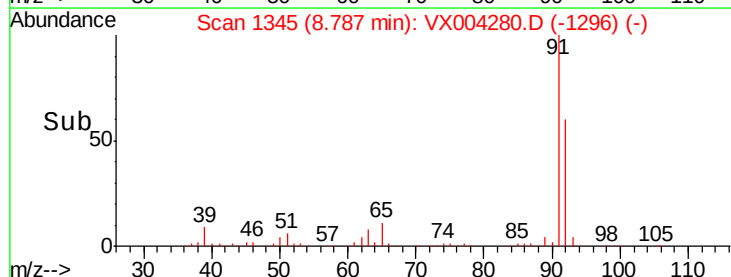
100000

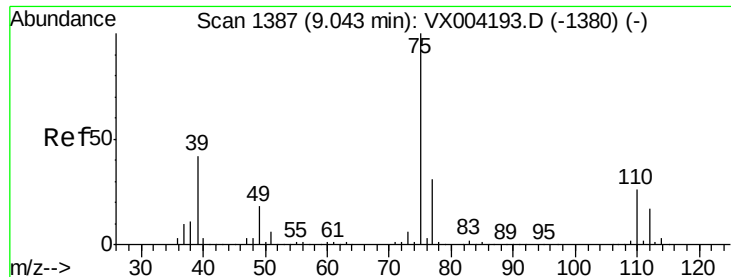
50000

0

8.70 8.75 8.80 8.85 8.90

Time-->





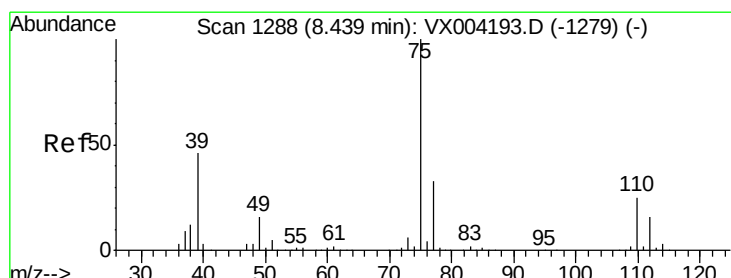
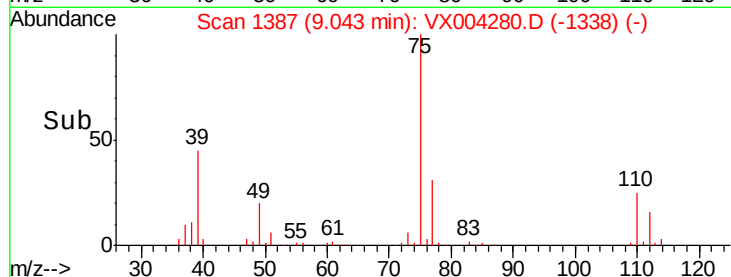
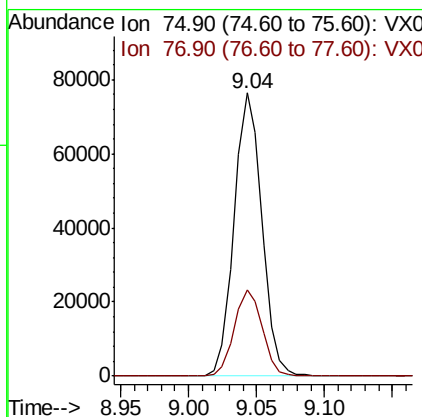
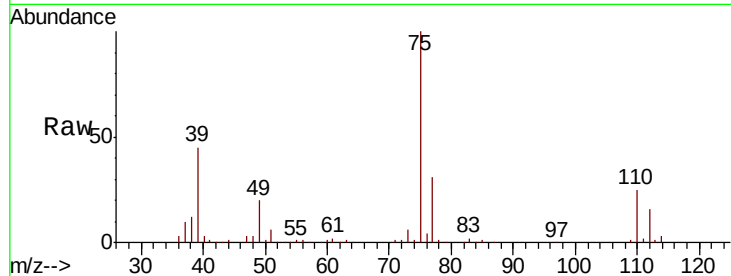
#53
t-1,3-Dichloropropene
Concen: 19.67 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion: 75 Resp: 108724
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0

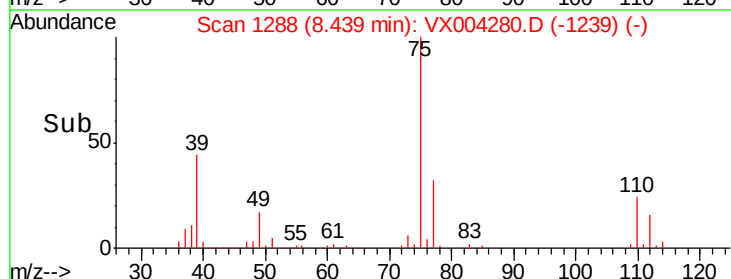
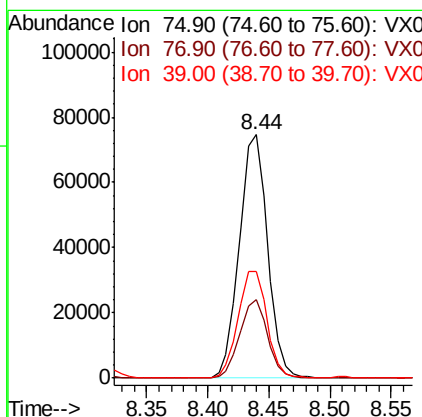
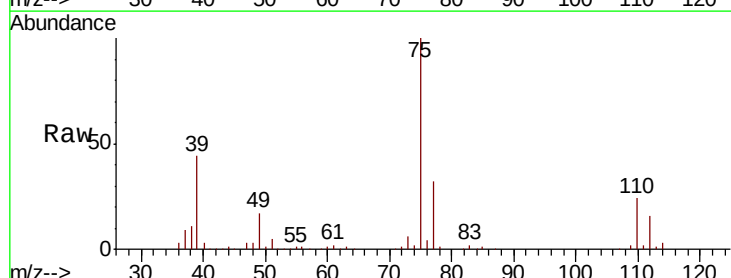
Manual Integrations
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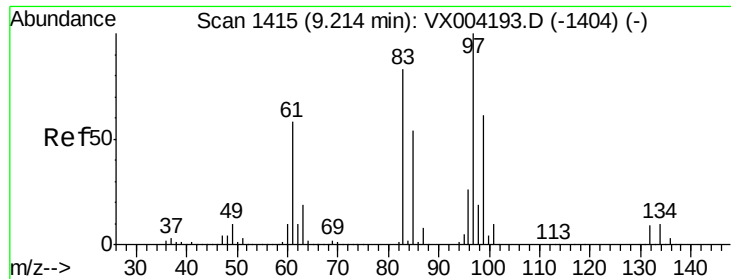
MMDadoda
8/30/2018 1:38:33 PM



#54
cis-1,3-Dichloropropene
Concen: 19.88 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion: 75 Resp: 119714
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
39 43.8 36.4 54.6





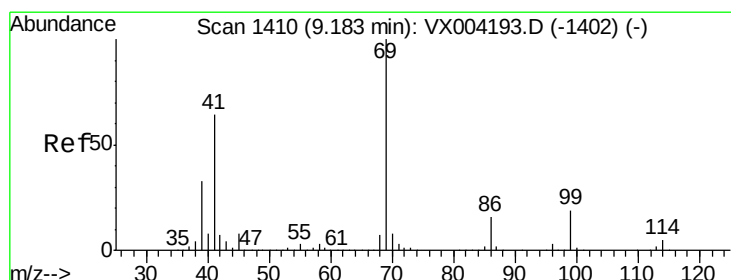
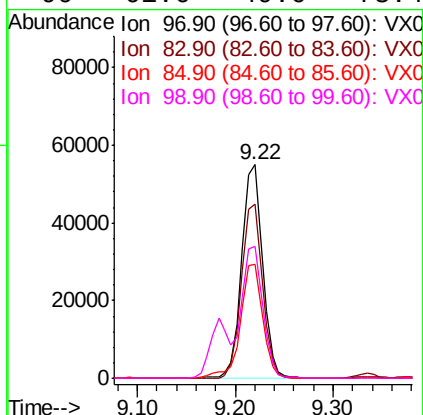
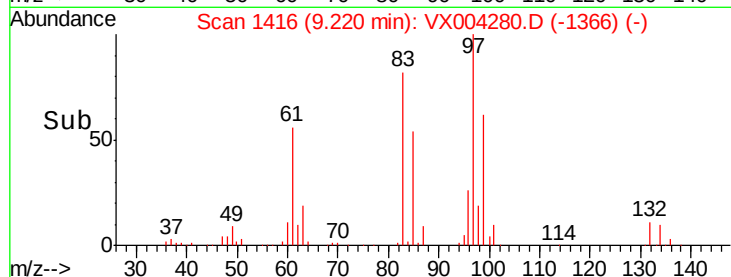
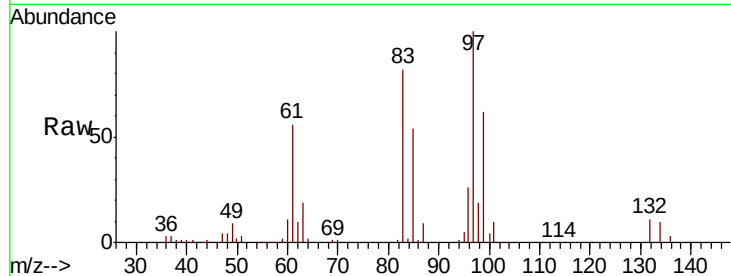
#55
 1,1,2-Trichloroethane
 Concen: 20.16 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		82209		
83	81.7	66.4	99.6		
85	53.6	43.3	64.9		
99	61.6	49.0	73.4		

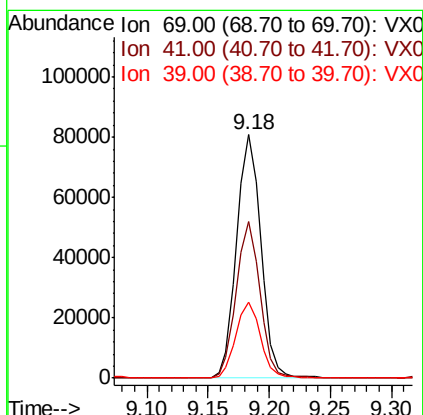
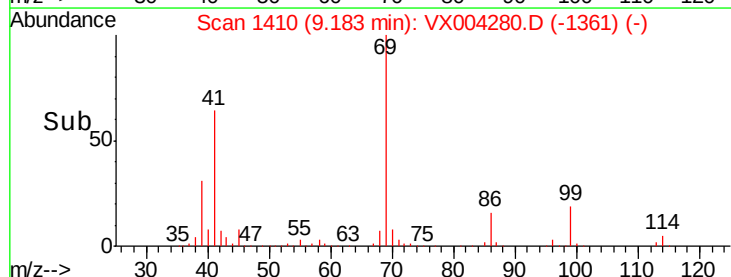
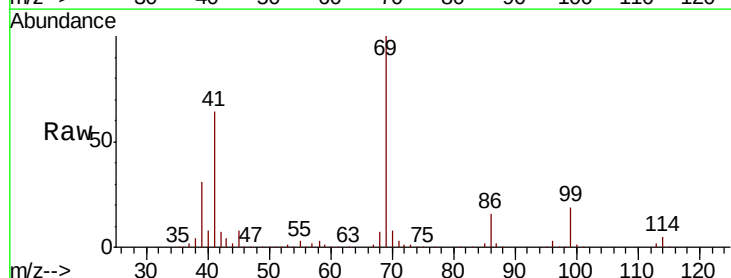
Manual Integrations
 APPROVED

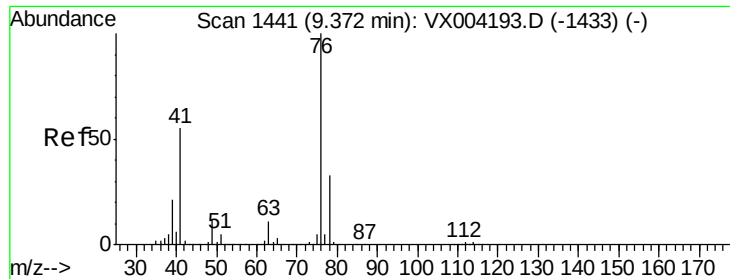
MMDadoda
 8/30/2018 1:38:33 PM



#56
 Ethyl methacrylate
 Concen: 20.02 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		111167		
41	63.0	51.0	76.4		
39	31.4	26.1	39.1		





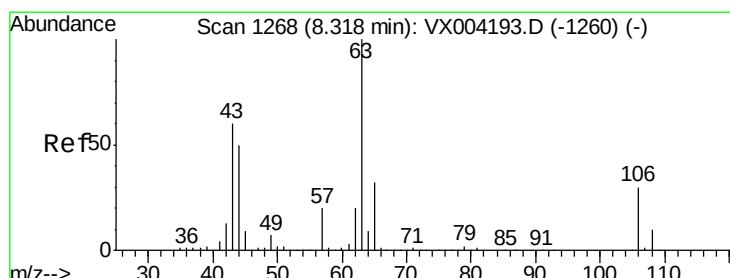
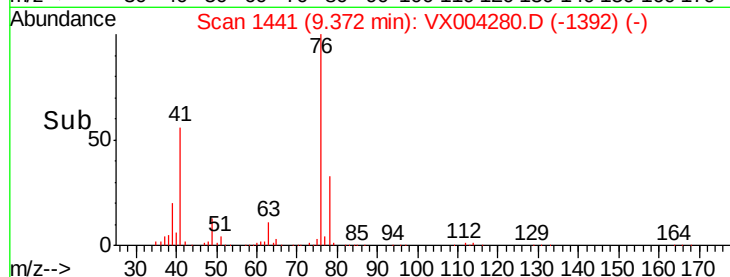
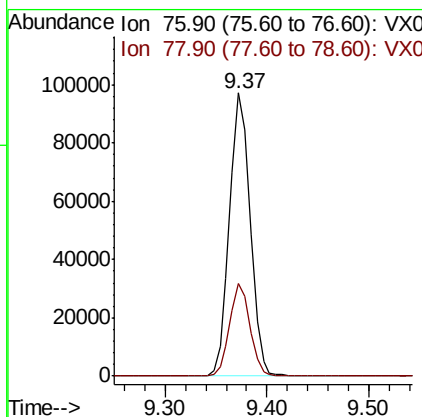
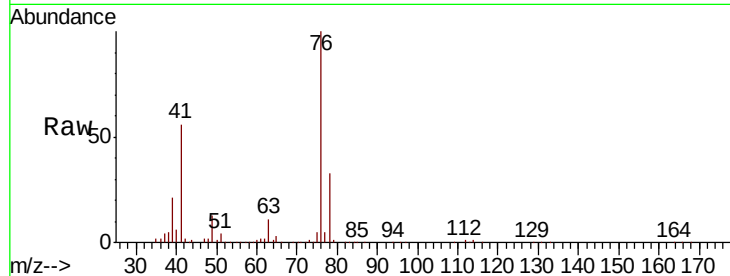
#57
 1,3-Dichloropropane
 Concen: 19.87 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampled :
 VX0829WBS01

Tot Ion: 76 Resp: 136590
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

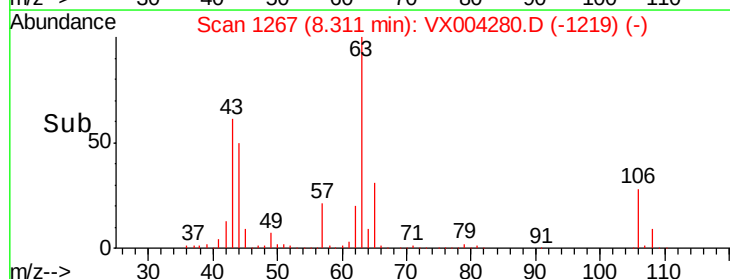
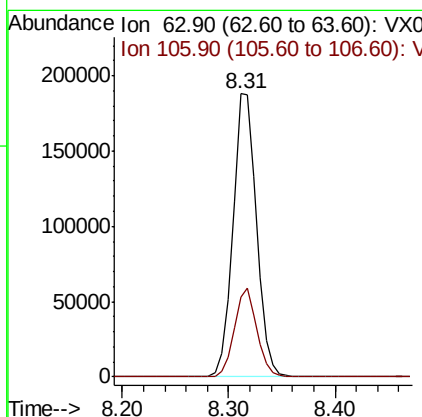
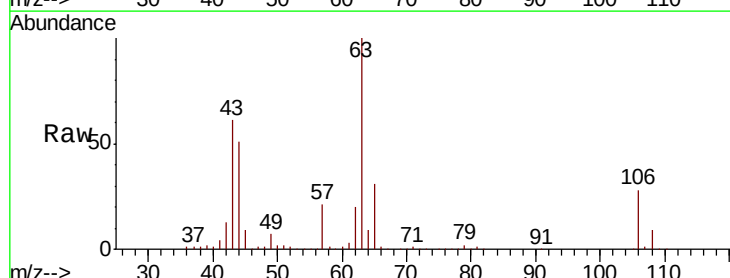
Manual Integrations
 APPROVED

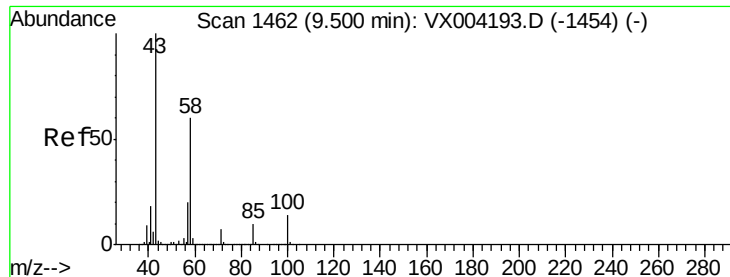
MMDadoda
 8/30/2018 1:38:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.55 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion: 63 Resp: 291704
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.9 35.9





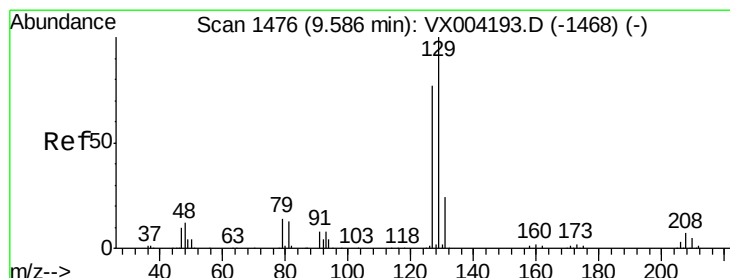
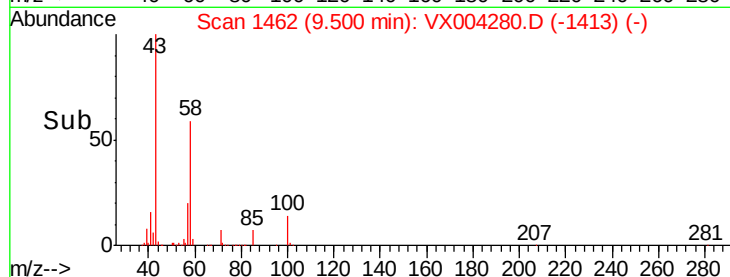
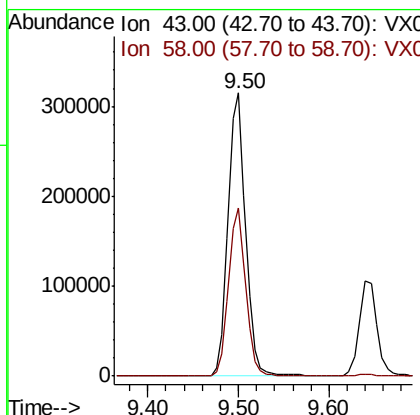
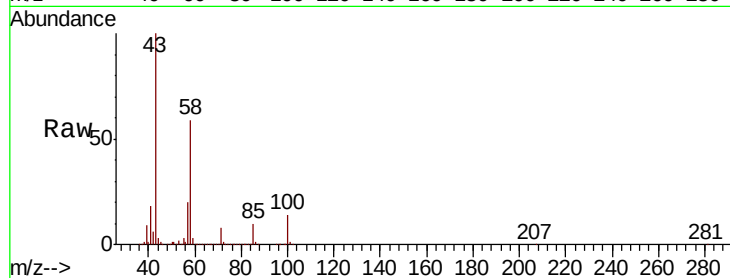
#59
2-Hexanone
Concen: 93.74 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion	43	Resp	424116
Ion Ratio	100	Lower	Upper
43	100		
58	58.4	29.0	87.0

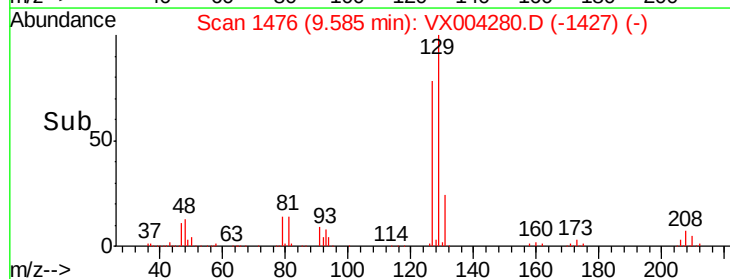
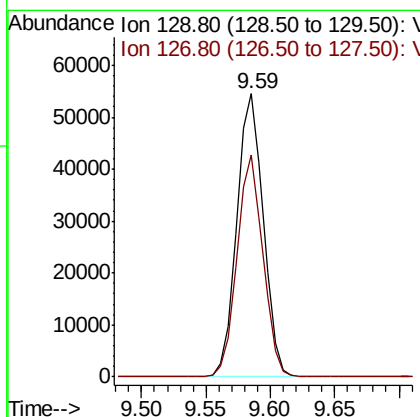
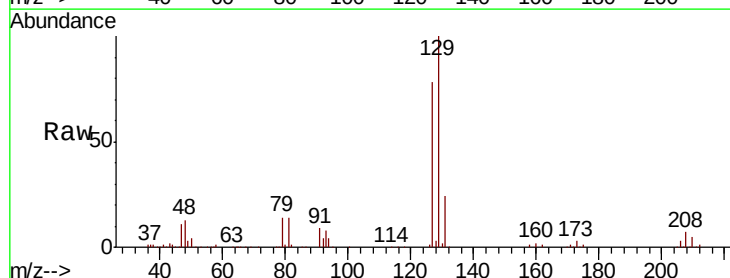
Manual Integrations
APPROVED

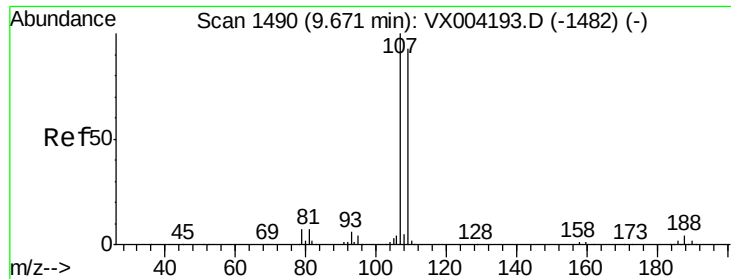
MMDadoda
8/30/2018 1:38:33 PM



#60
Dibromochloromethane
Concen: 19.58 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	129	Resp	77798
Ion Ratio	100	Lower	Upper
129	100		
127	76.6	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.77 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion: 107 Resp: 83450

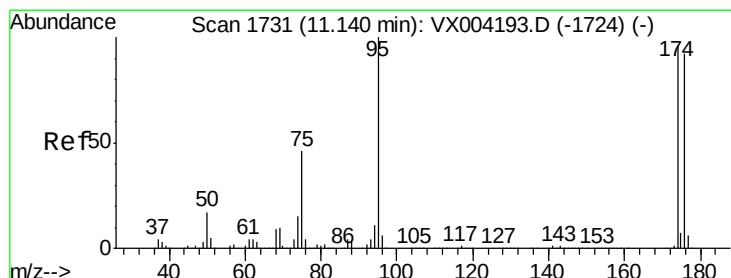
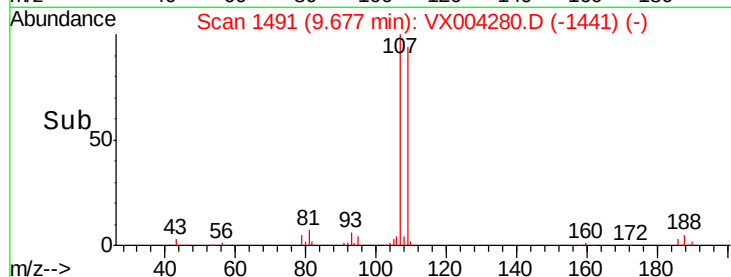
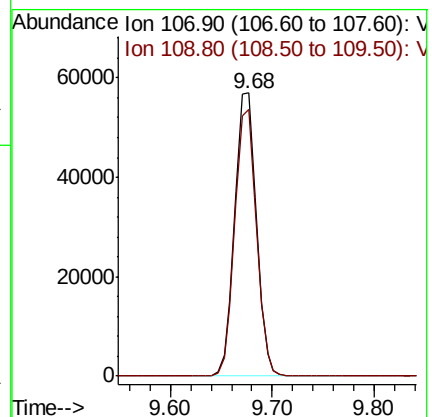
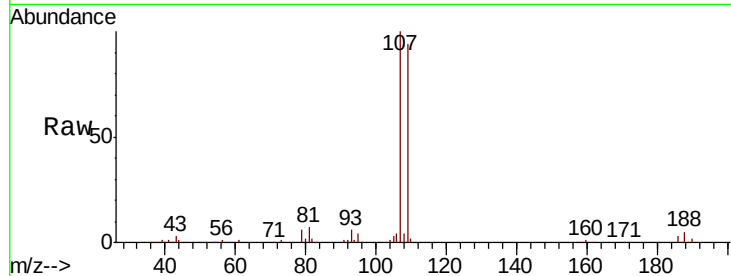
Ion Ratio Lower Upper

107 100

109 94.2 76.0 114.0

Manual Integrations
APPROVED

MMDadoda
8/30/2018 1:38:33 PM



#62

4-Bromofluorobenzene

Concen: 48.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

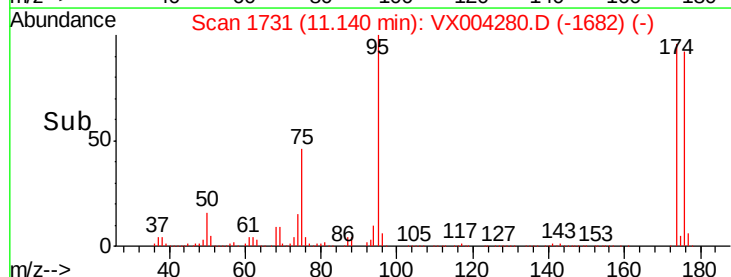
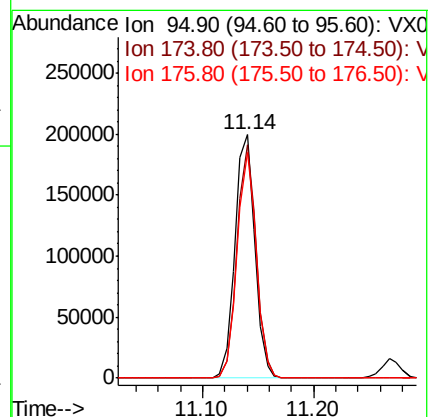
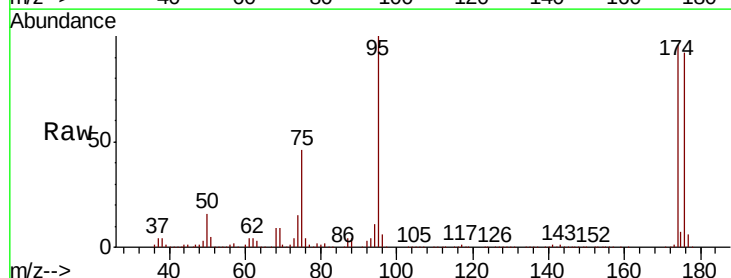
Tgt Ion: 95 Resp: 246562

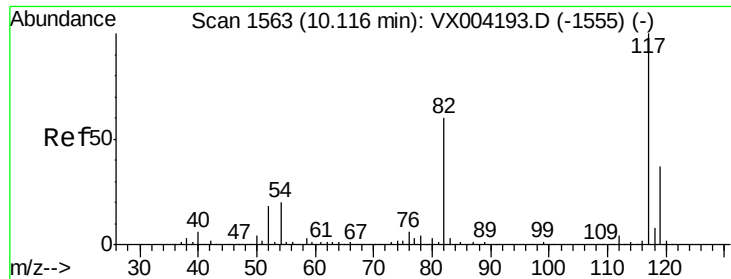
Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

176 89.6 0.0 178.6





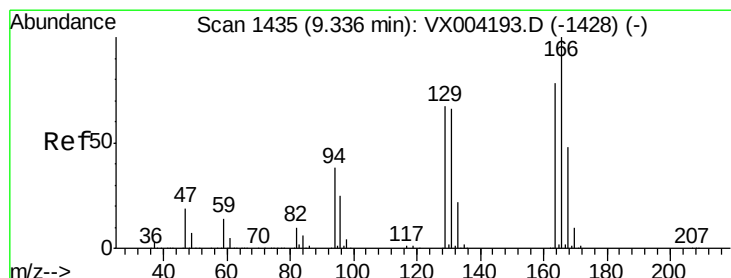
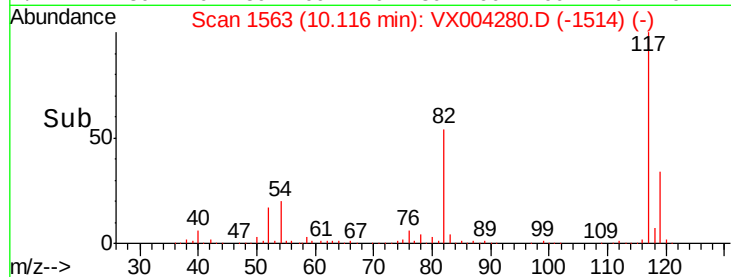
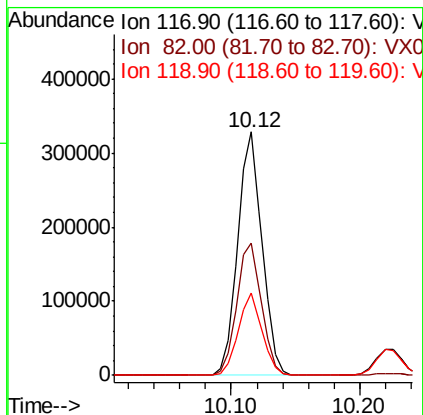
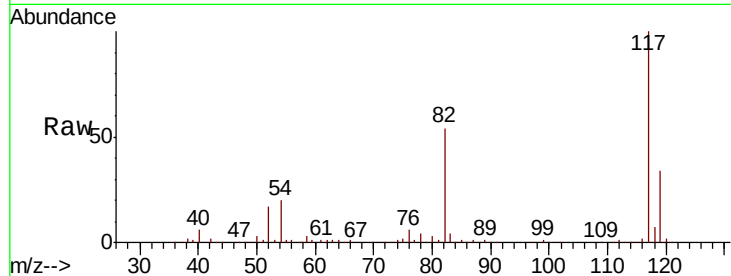
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	47.8	71.6
119	34.1	29.3	43.9

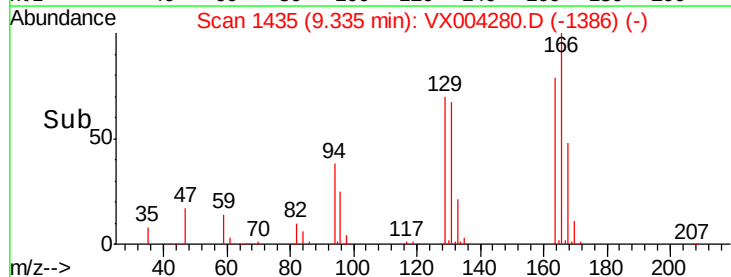
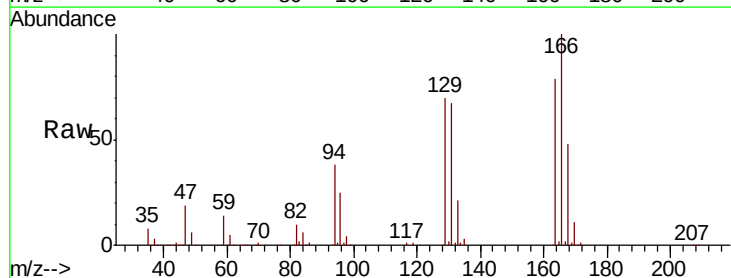
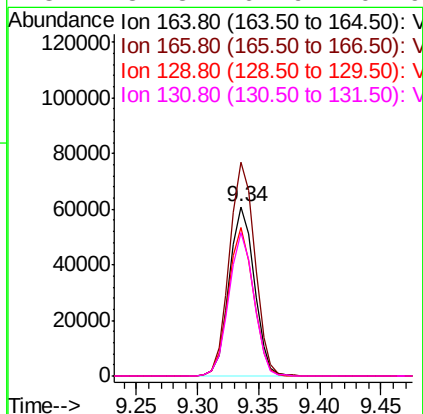
Manual Integrations
APPROVED

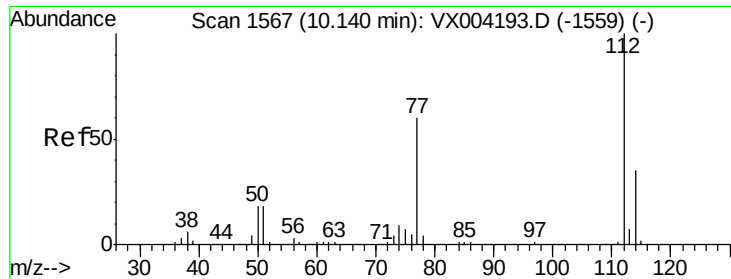
MMDadoda
8/30/2018 1:38:33 PM



#64
Tetrachloroethene
Concen: 20.39 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.8	154.2
129	87.6	69.4	104.0
131	84.3	67.9	101.9





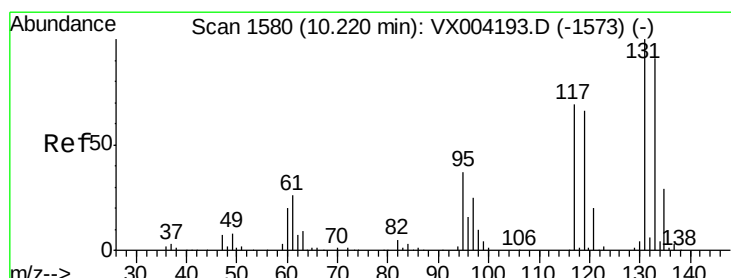
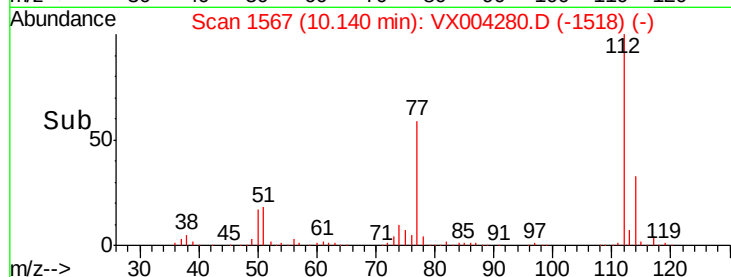
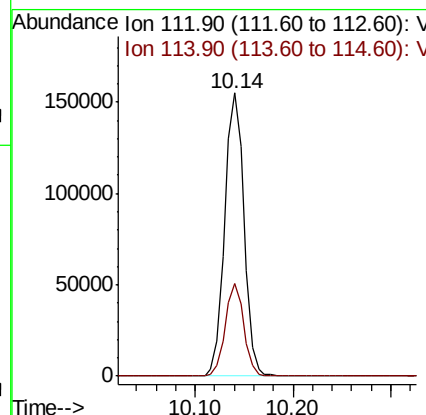
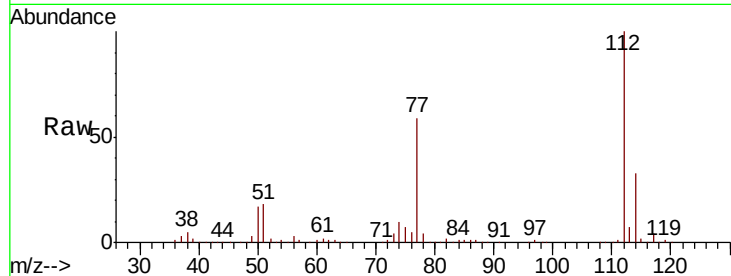
#65
Chlorobenzene
Concen: 19.71 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion:112 Resp: 212082
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8

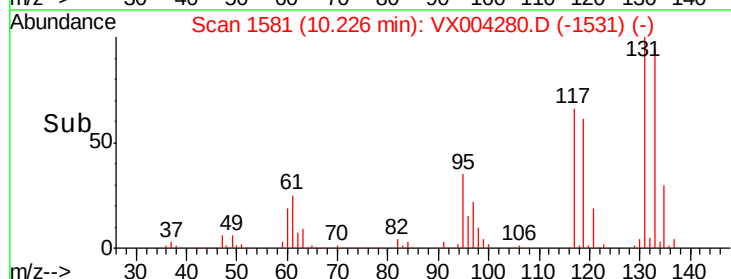
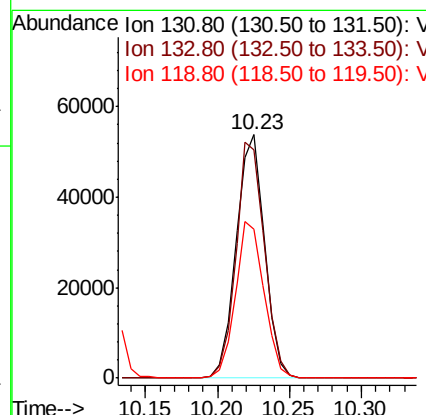
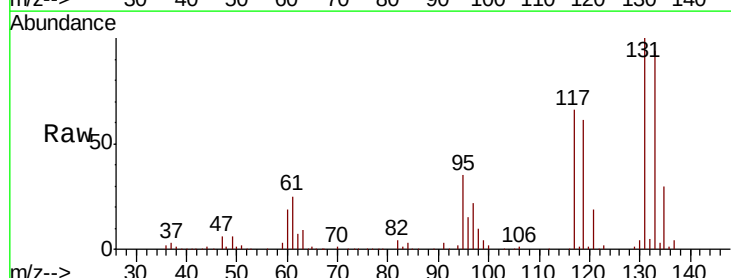
Manual Integrations
APPROVED

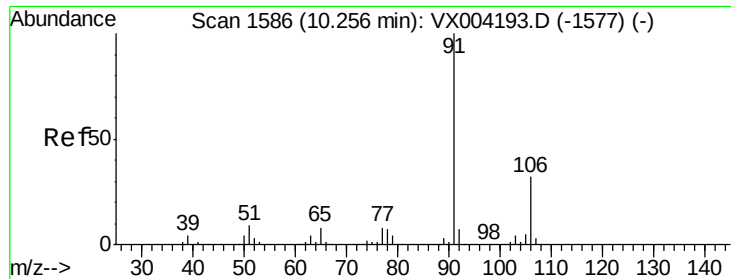
MMDadoda
8/30/2018 1:38:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.99 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion:131 Resp: 74179
Ion Ratio Lower Upper
131 100
133 97.2 48.1 144.4
119 65.0 32.9 98.6





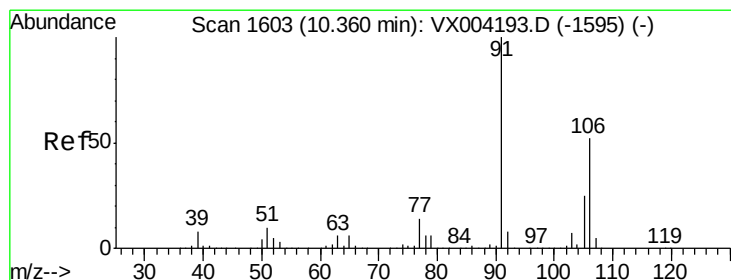
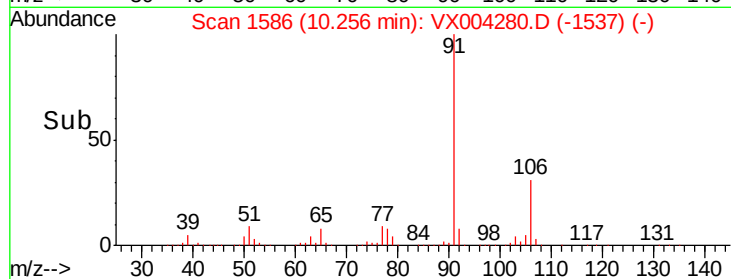
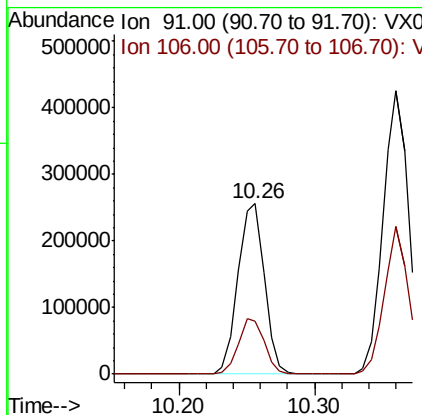
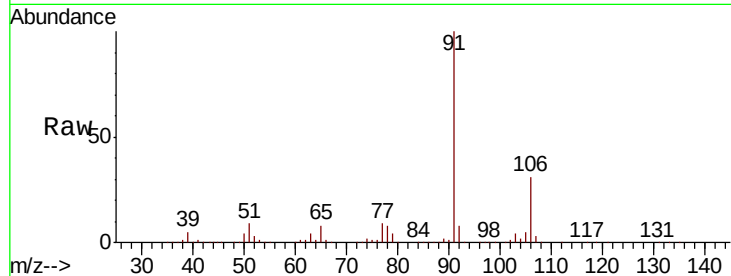
#67
Ethyl Benzene
Concen: 19.94 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion: 91 Resp: 348473
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9

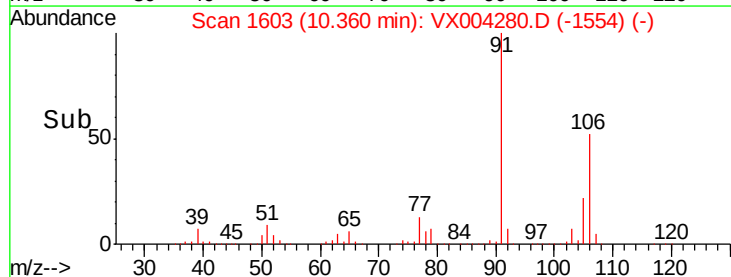
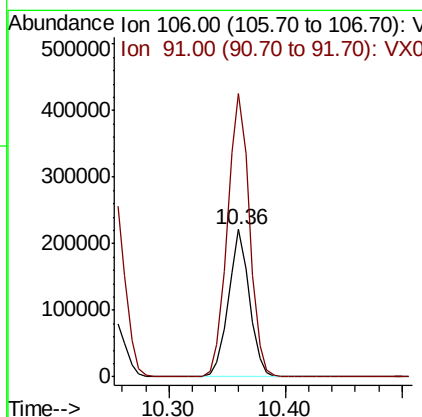
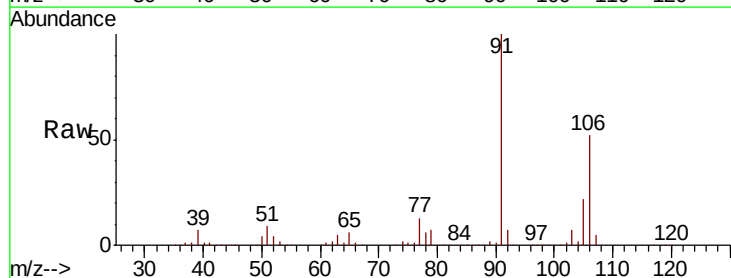
Manual Integrations
APPROVED

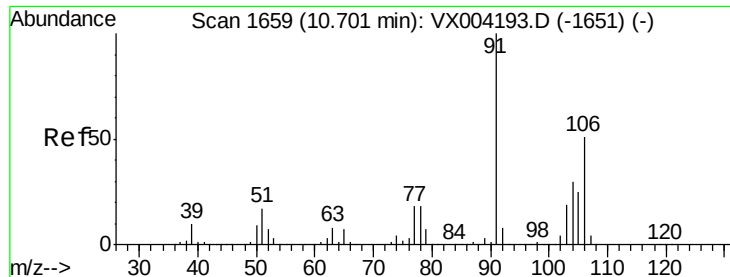
MMDadoda
8/30/2018 1:38:33 PM



#68
m/p-Xylenes
Concen: 40.47 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion: 106 Resp: 276511
Ion Ratio Lower Upper
106 100
91 202.1 157.1 235.7





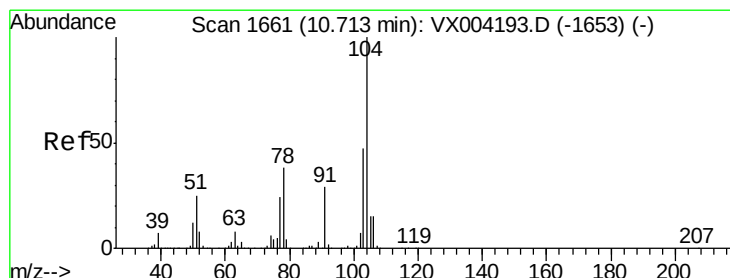
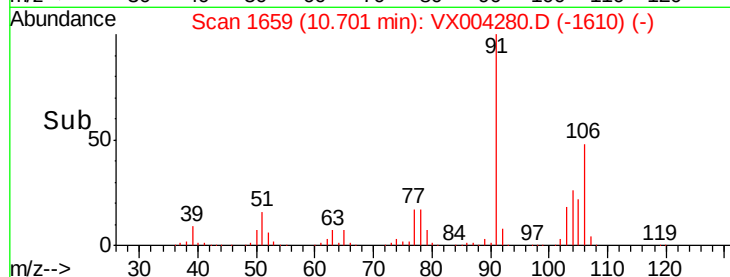
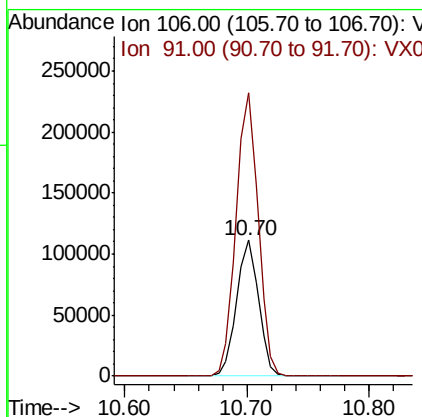
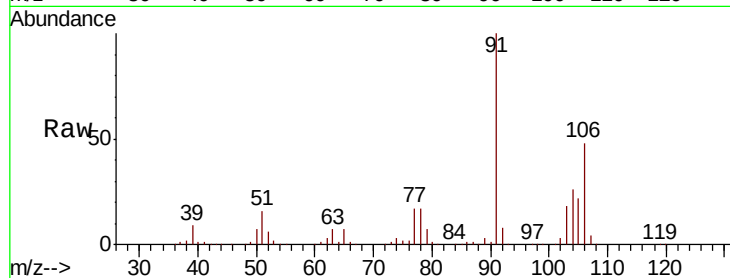
#69
o-Xylene
Concen: 21.36 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampled :
VX0829WBS01

Tot Ion:106 Resp: 138032
Ion Ratio Lower Upper
106 100
91 210.2 105.1 315.1

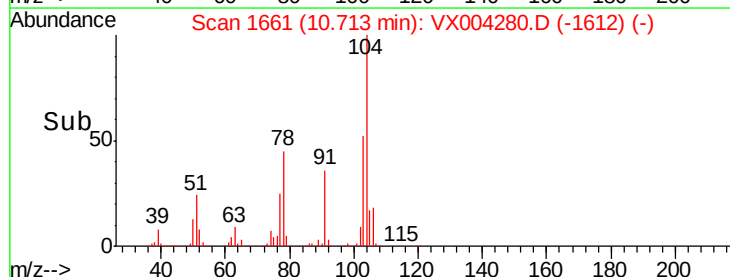
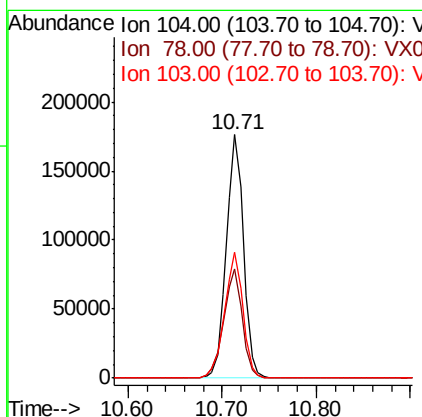
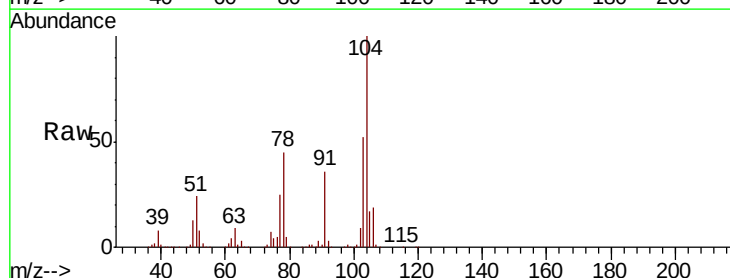
Manual Integrations
APPROVED

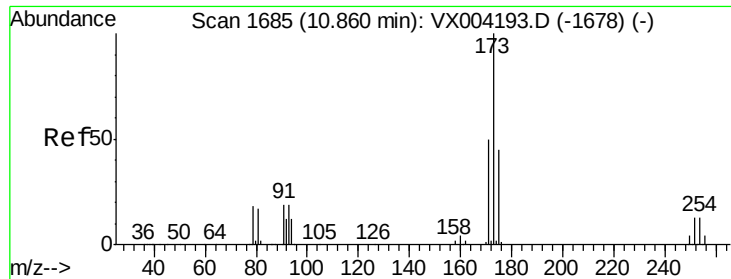
MMDadoda
8/30/2018 1:38:33 PM



#70
Styrene
Concen: 21.45 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion:104 Resp: 224441
Ion Ratio Lower Upper
104 100
78 48.2 37.4 56.0
103 54.9 43.8 65.6





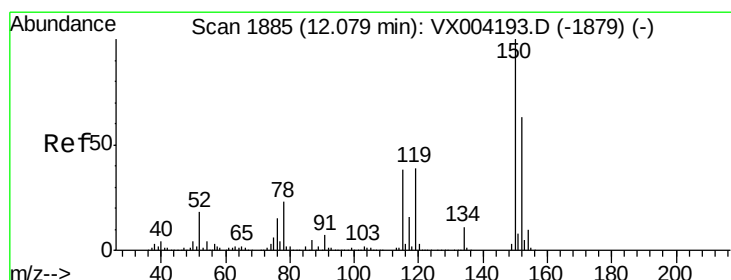
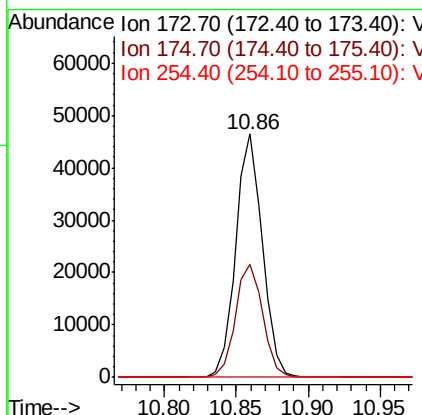
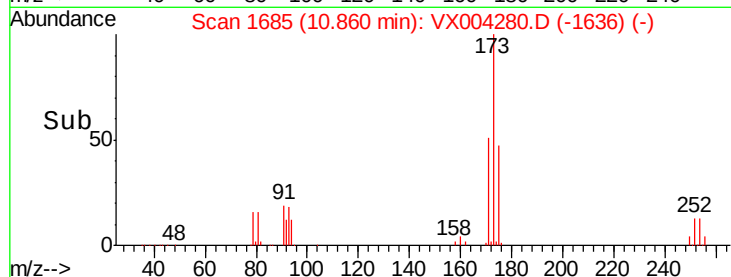
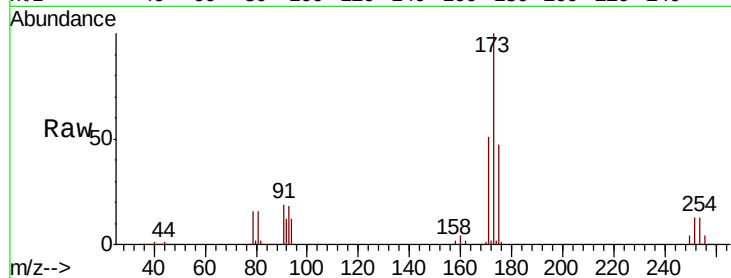
#71
Bromoform
Concen: 20.04 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.3
254	0.2	0.2	0.2

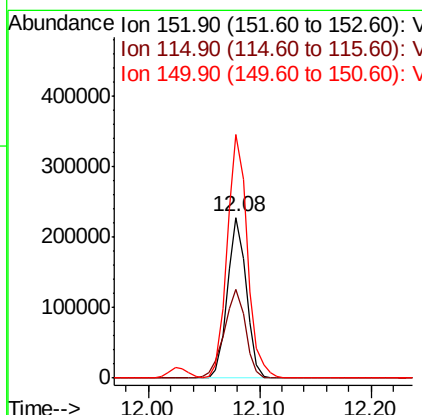
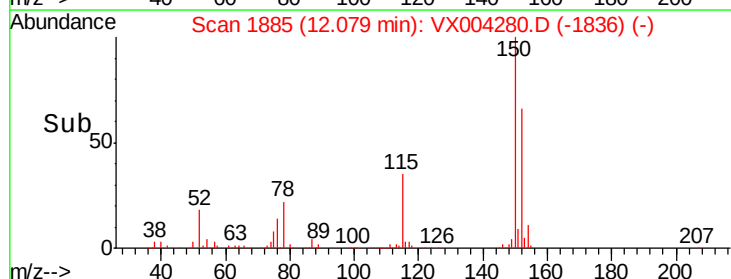
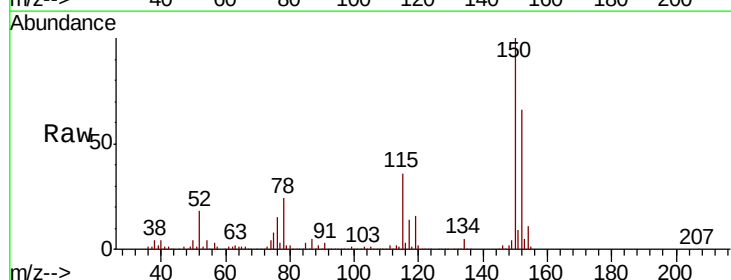
Manual Integrations
APPROVED

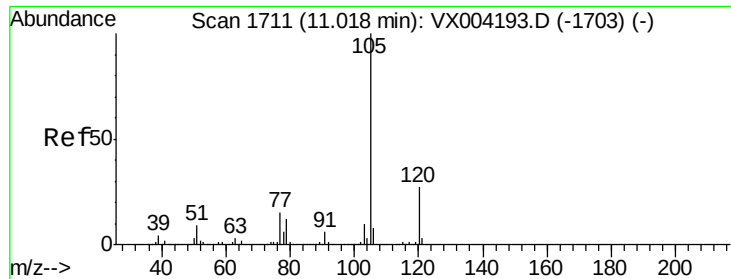
MMDadoda
8/30/2018 1:38:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	39.0	117.0
150	162.4	0.0	351.0





#73

Isopropylbenzene

Concen: 21.53 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS01

Tot Ion:105 Resp: 376797

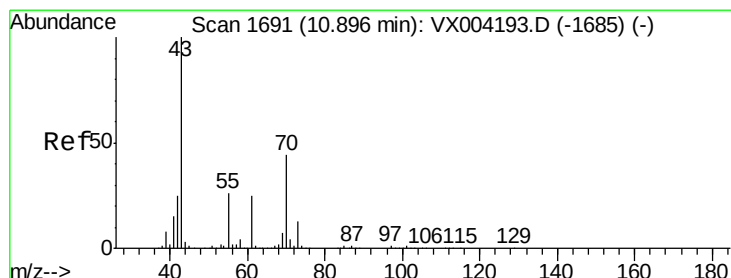
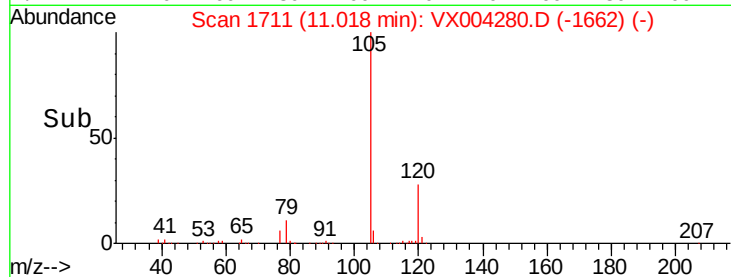
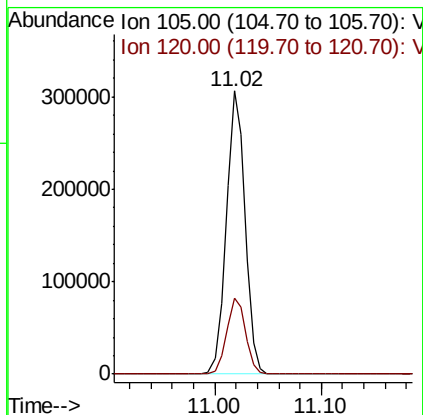
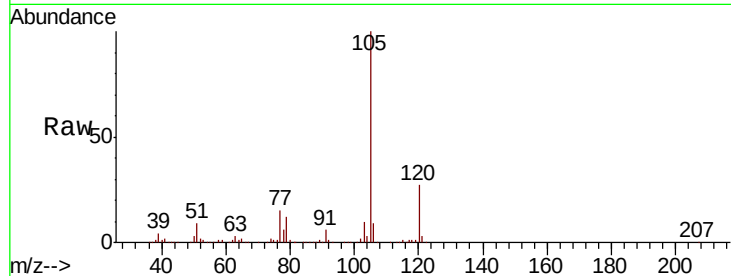
Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4

Manual Integrations
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8/30/2018 1:38:33 PM



#74

N-ethyl acetate

Concen: 20.25 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion: 43 Resp: 136443

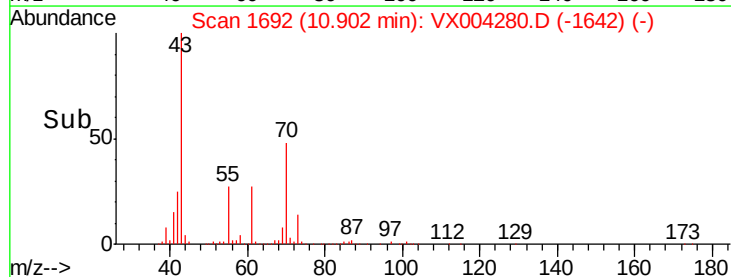
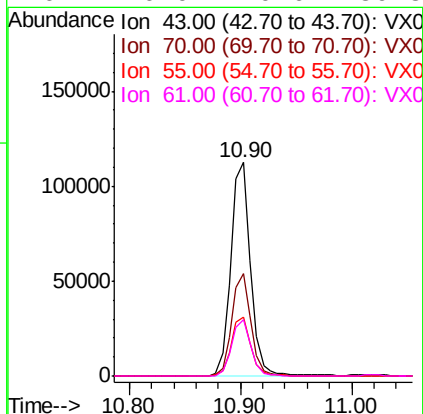
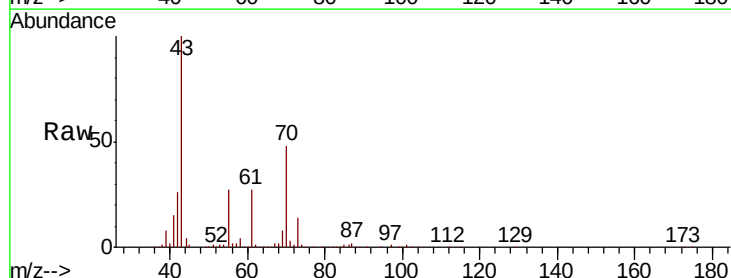
Ion Ratio Lower Upper

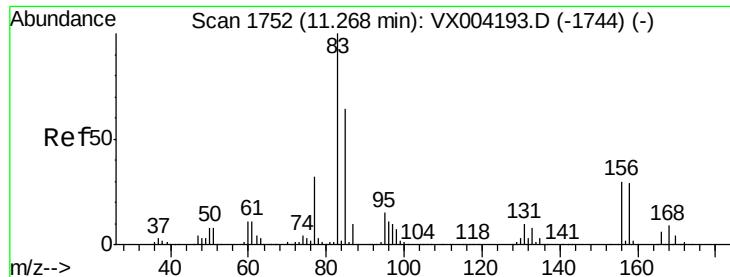
43 100

70 47.3 37.4 56.0

55 27.9 21.8 32.8

61 26.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.22 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

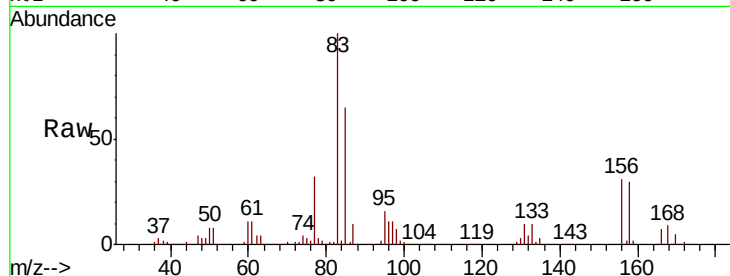
ClientSampled :

VX0829WBS01

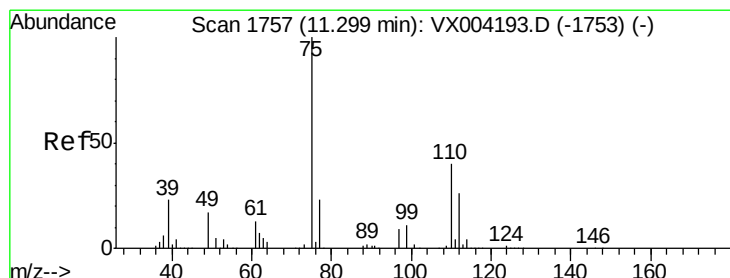
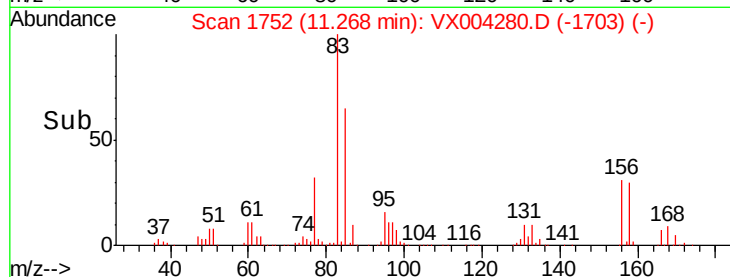
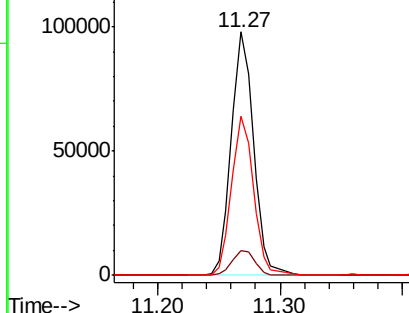
Tot Ion:	83	Resp:	123818
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.6	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.78 ug/l m

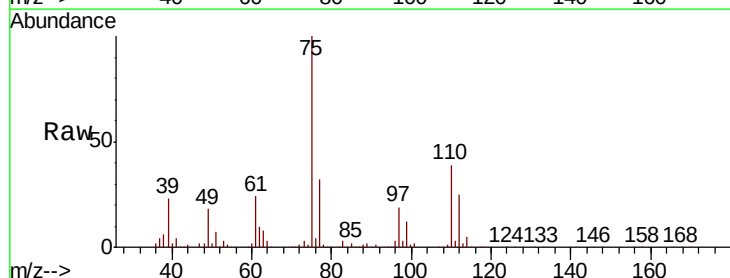
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

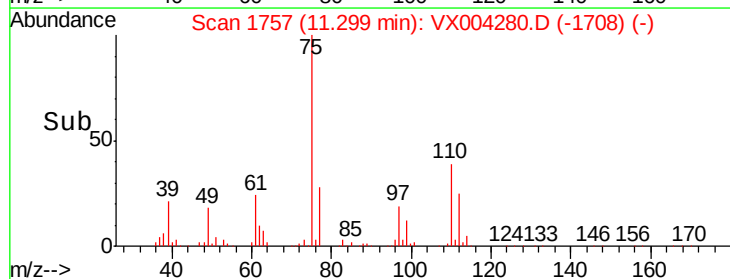
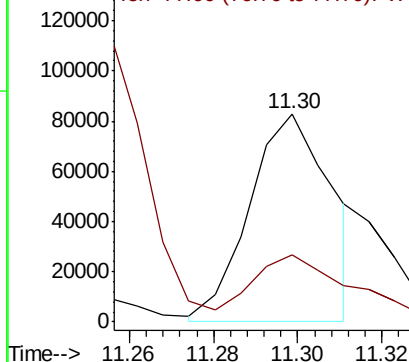
Lab File: VX004280.D

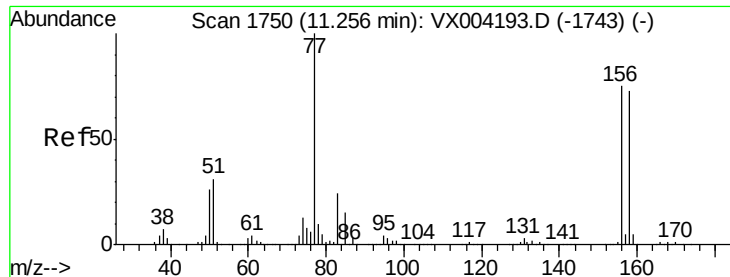
Acq: 29 Aug 2018 09:36

Tgt Ion:	75	Resp:	112618
Ion Ratio	Lower	Upper	
75	100		
77	39.6	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.72 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

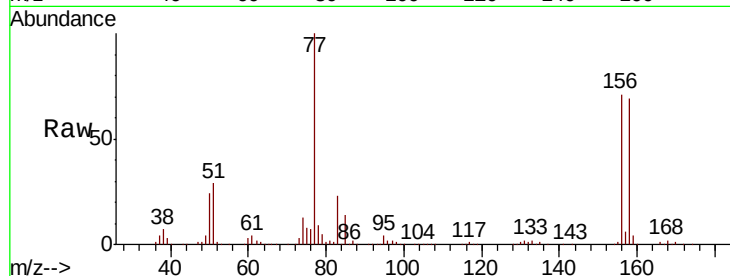
ClientSampleId :

VX0829WBS01

Tot Ion:	156	Resp:	101699
Ion Ratio	Lower	Upper	
156	100		
77	143.8	71.5	214.3
158	97.7	48.9	146.8

Manual Integrations
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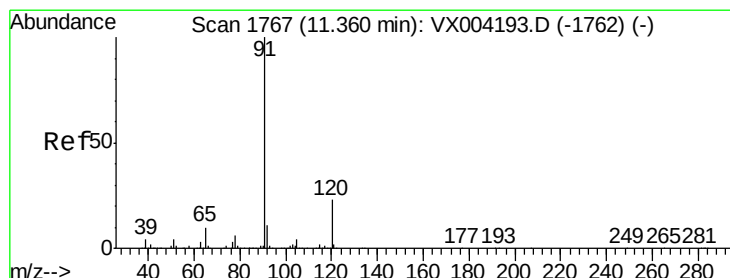
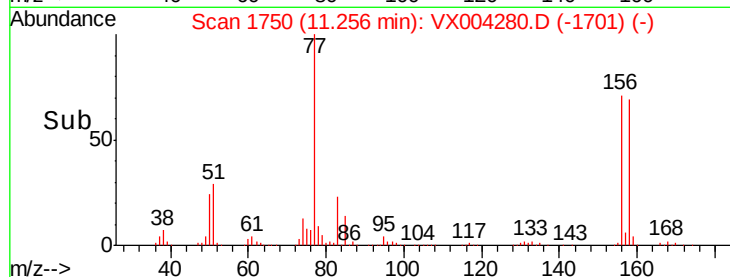
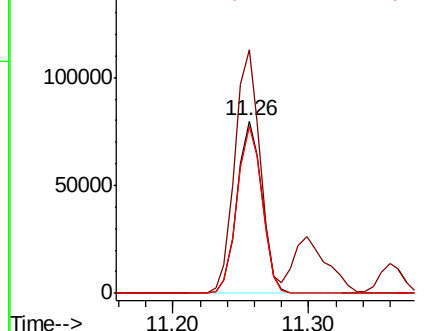
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.09 ug/l

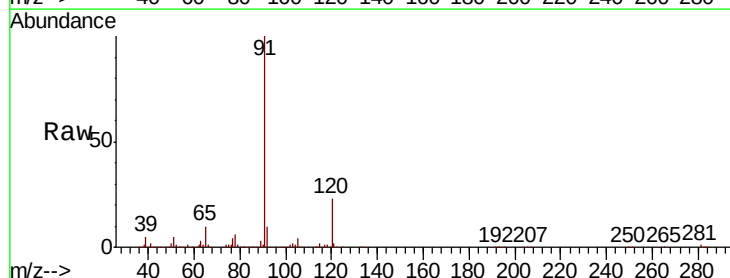
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004280.D

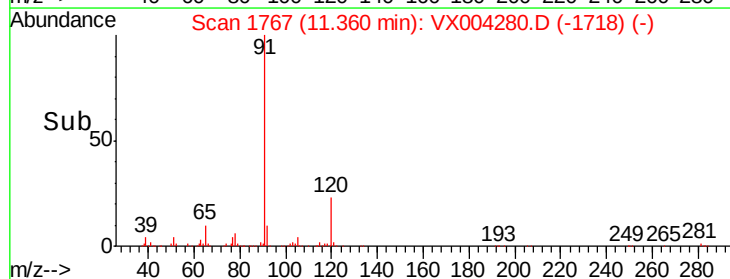
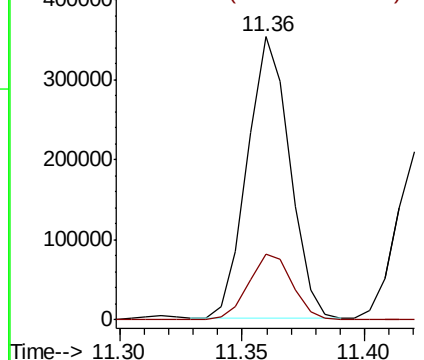
Acq: 29 Aug 2018 09:36

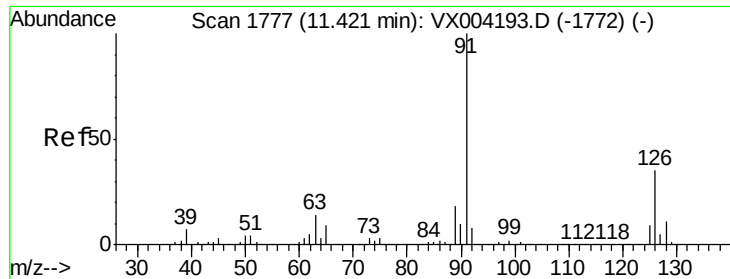
Tgt Ion:	91	Resp:	424565
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





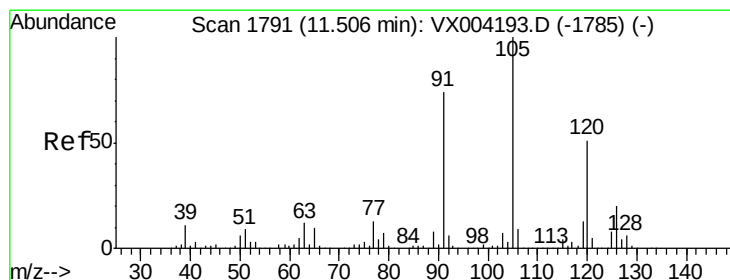
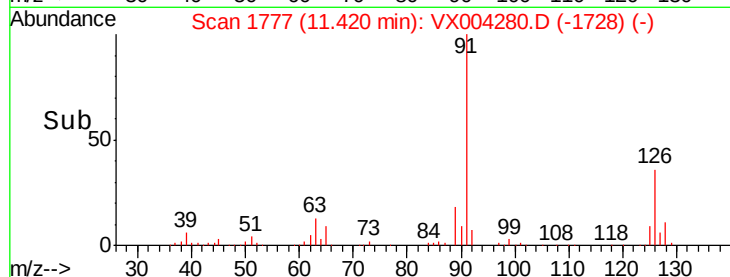
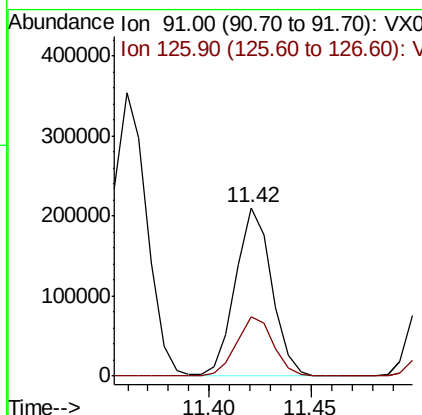
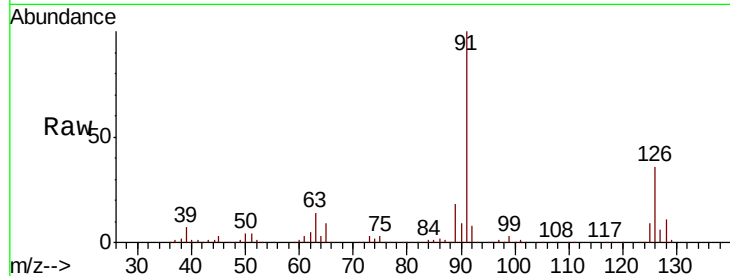
#79
 2-Chlorotoluene
 Concen: 20.79 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion: 91 Resp: 257581
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.7

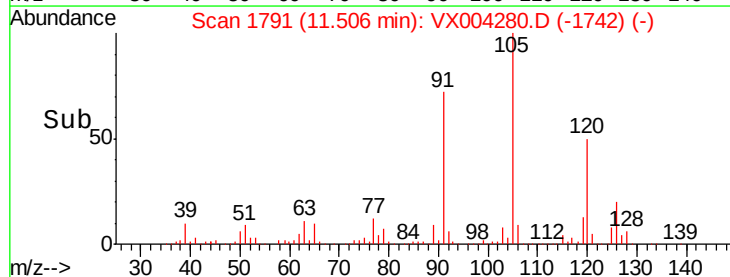
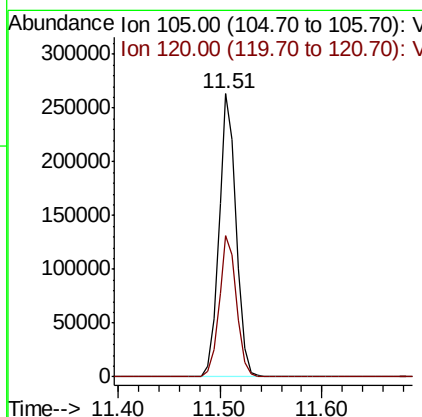
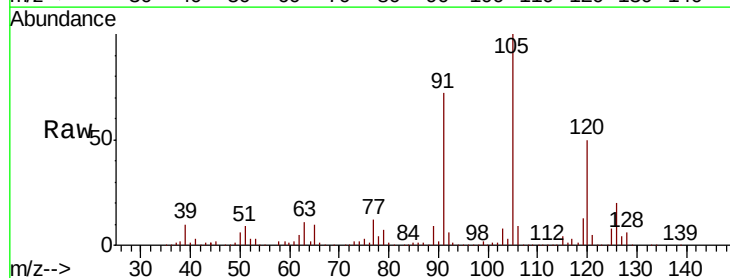
Manual Integrations
 APPROVED

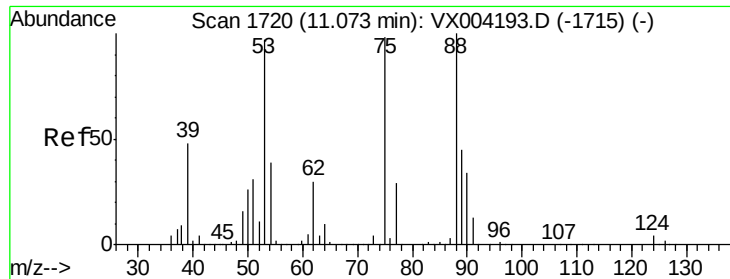
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.32 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion: 105 Resp: 309036
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.07 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

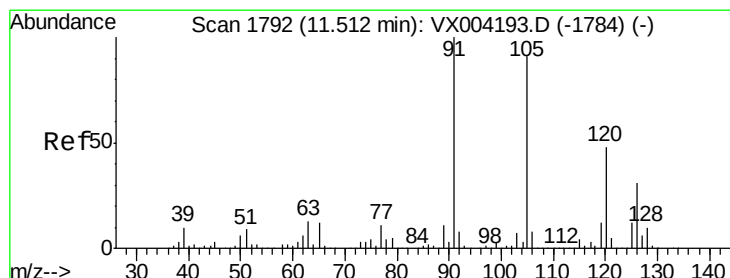
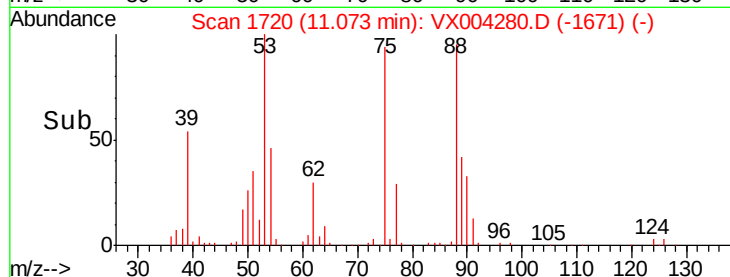
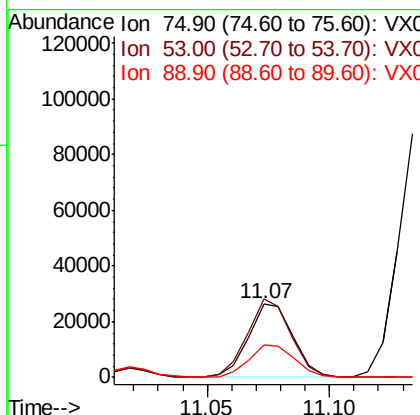
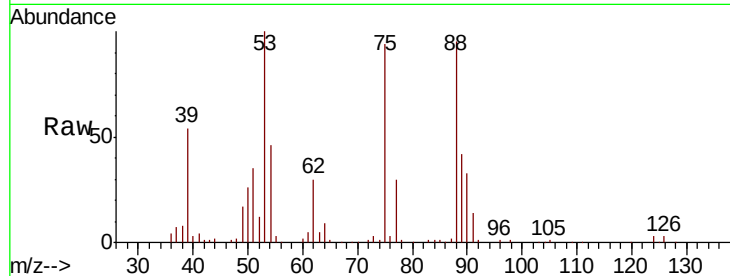
ClientSampleId :

VX0829WBS01

Tot Ion:	75	Resp:	33514
Ion	Ratio	Lower	Upper
75	100		
53	102.8	80.1	120.1
89	45.4	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.15 ug/l

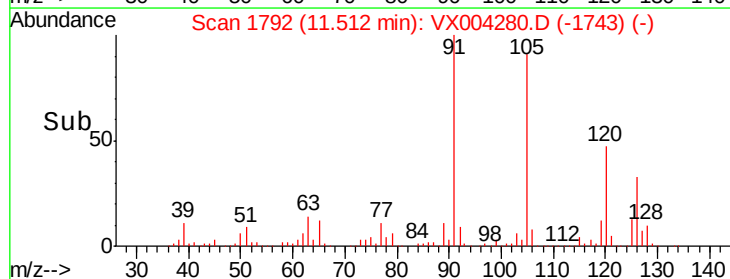
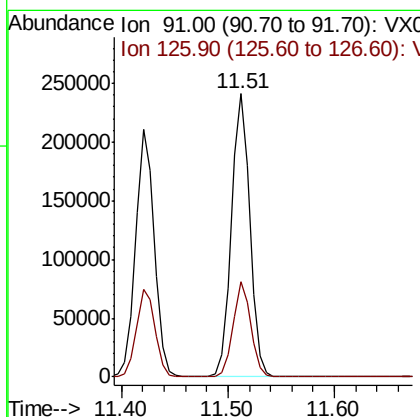
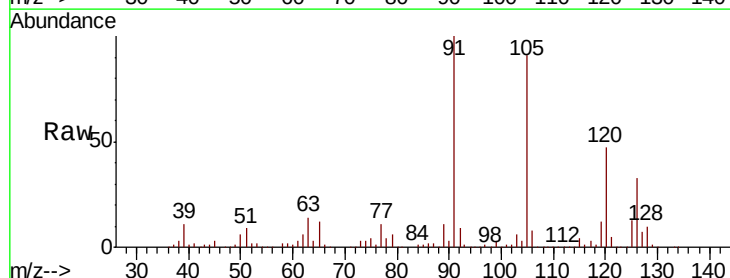
RT: 11.51 min Scan# 1792

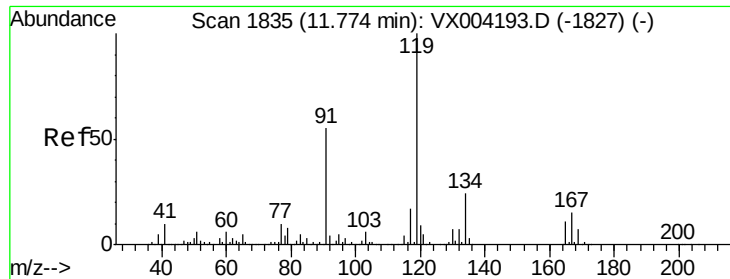
Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion:	91	Resp:	293797
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.5	46.5





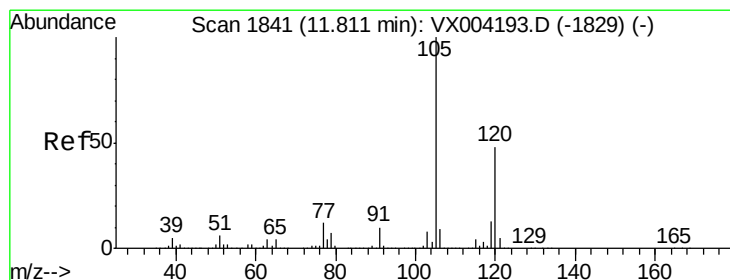
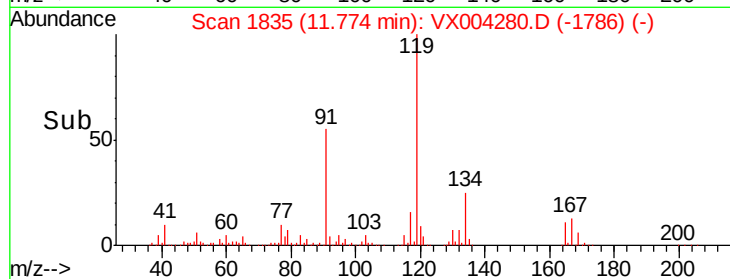
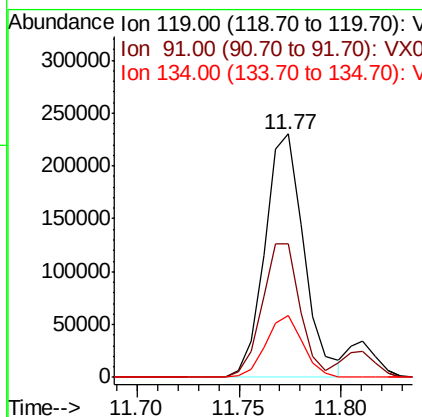
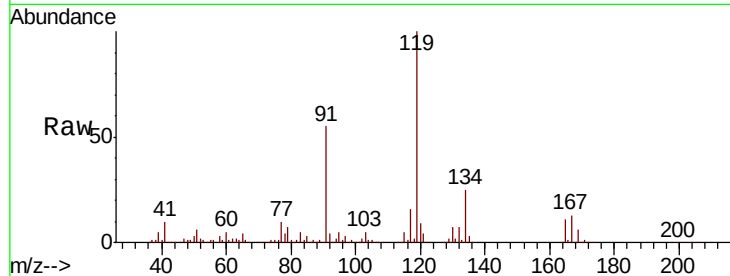
#83
 tert-Butylbenzene
 Concen: 21.13 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.2	27.0	81.0
134	24.0	11.7	35.1

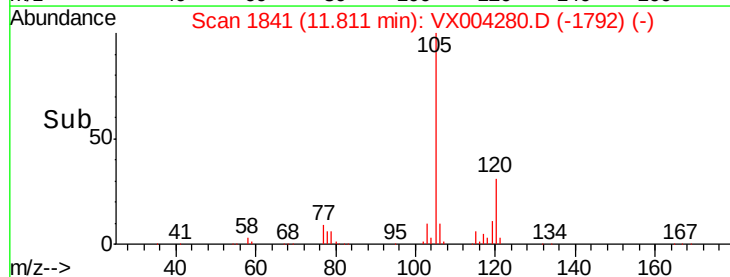
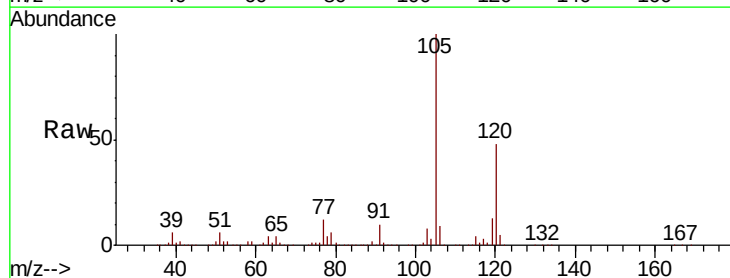
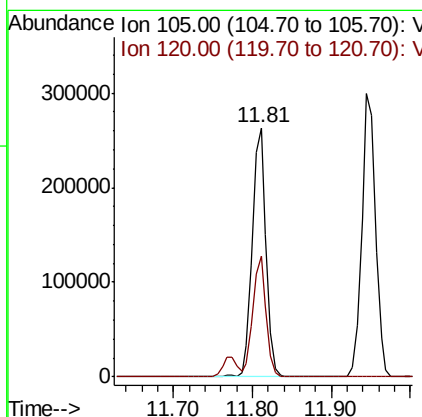
Manual Integrations
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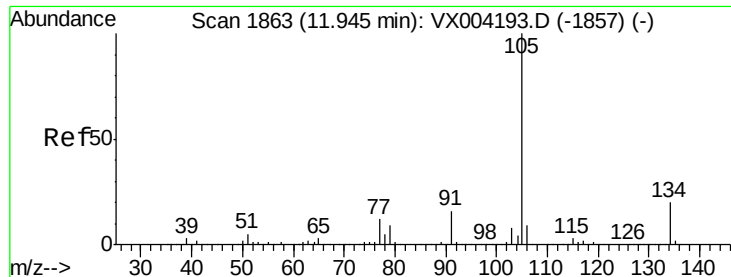
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 8/30/2018 1:38:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.48 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.6





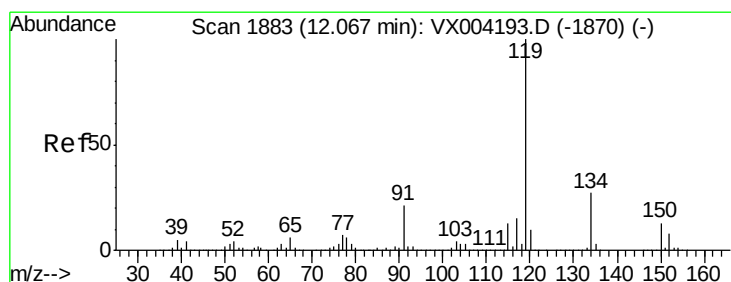
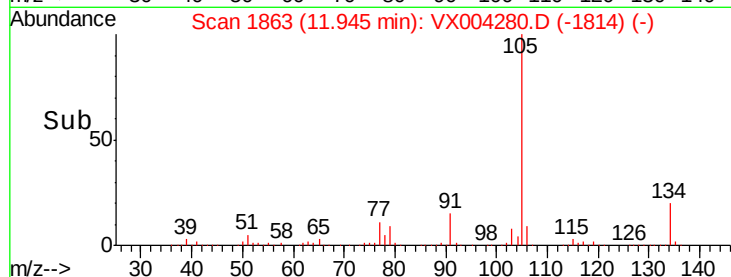
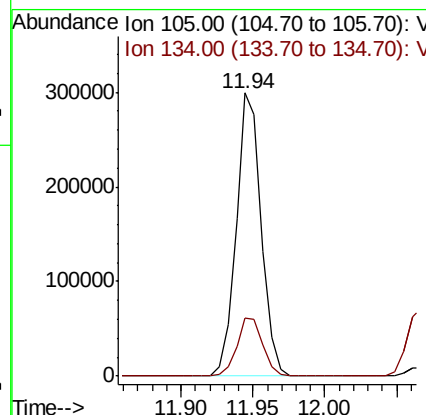
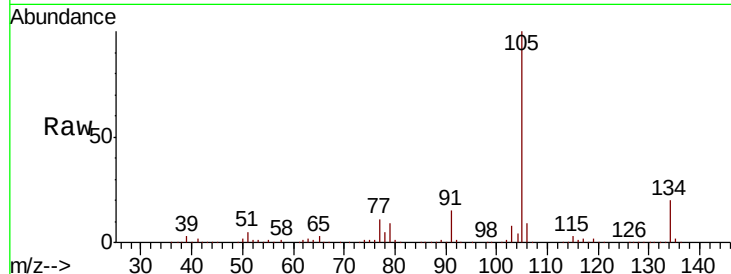
#85
 sec-Butylbenzene
 Concen: 20.92 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.5

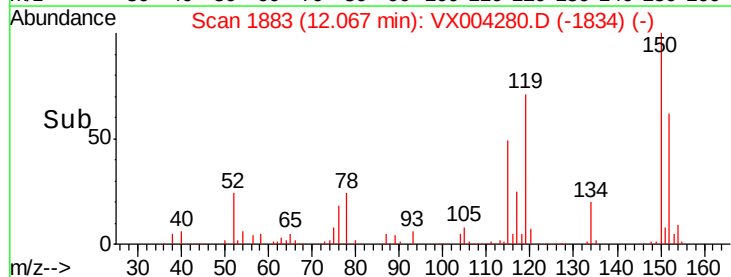
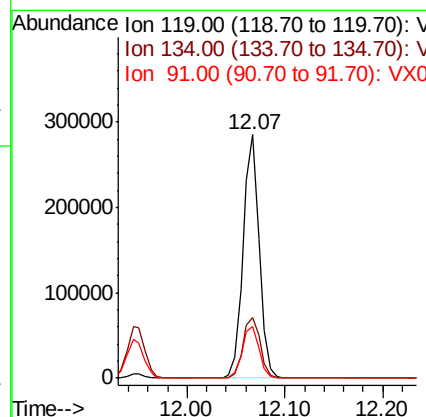
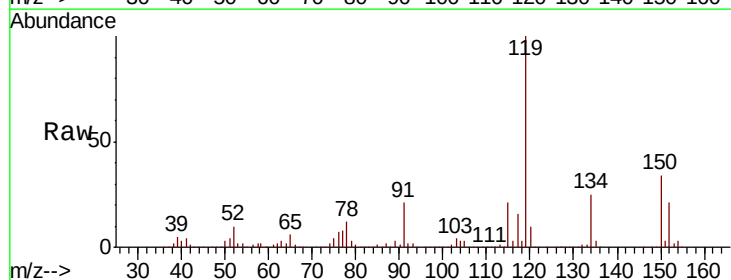
Manual Integrations
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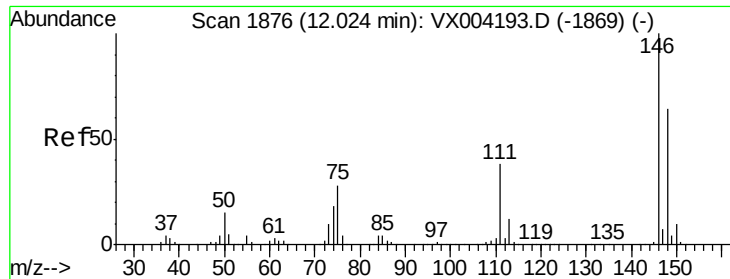
MMDadoda
 8/30/2018 1:38:33 PM



#86
 p-Isopropyltoluene
 Concen: 20.83 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.2
91	22.3	10.9	32.7





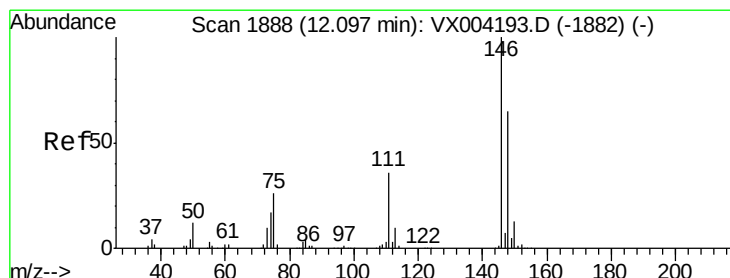
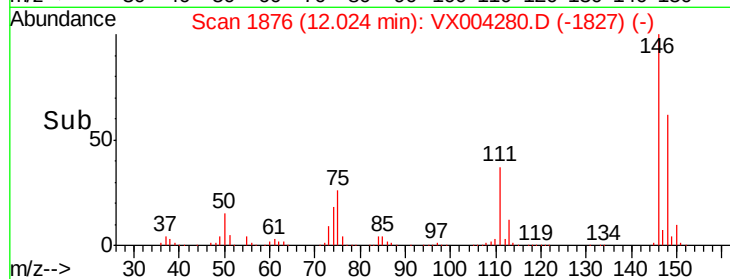
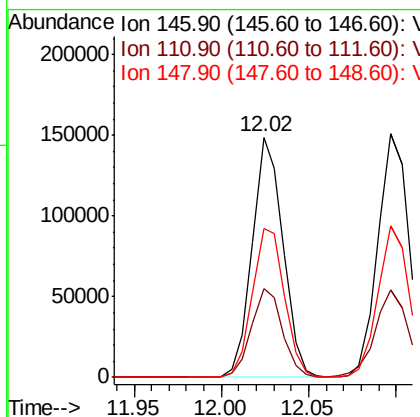
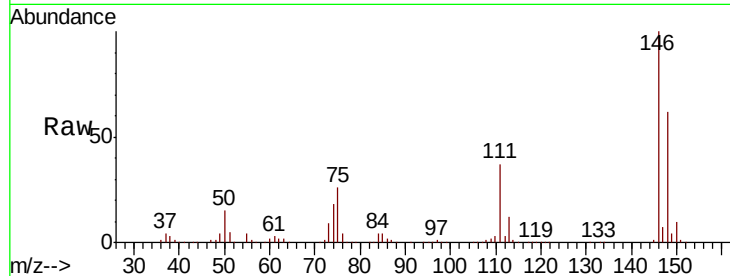
#87
 1,3-Dichlorobenzene
 Concen: 19.66 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	65.0	32.1	96.5

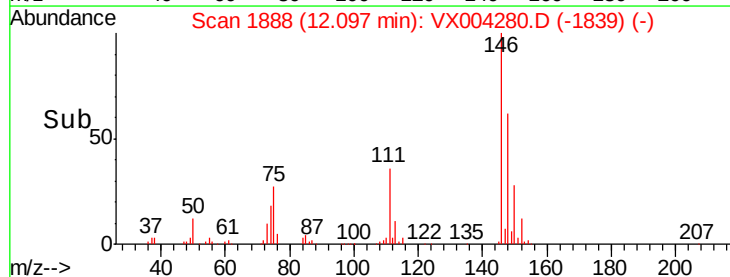
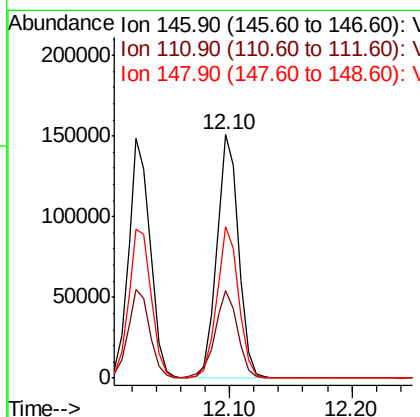
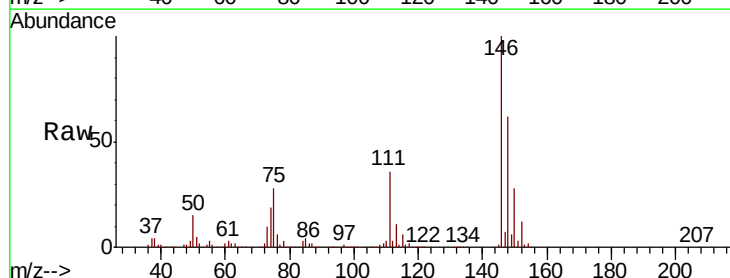
Manual Integrations
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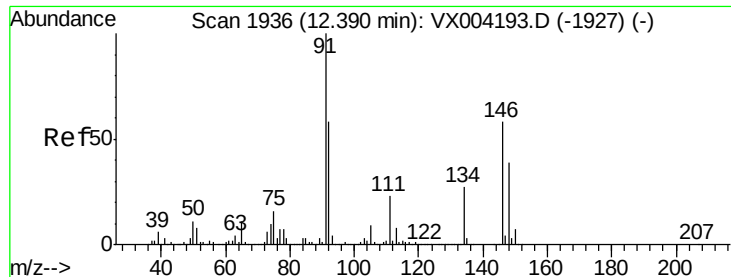
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#88
 1,4-Dichlorobenzene
 Concen: 19.19 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	62.3	32.0	96.0





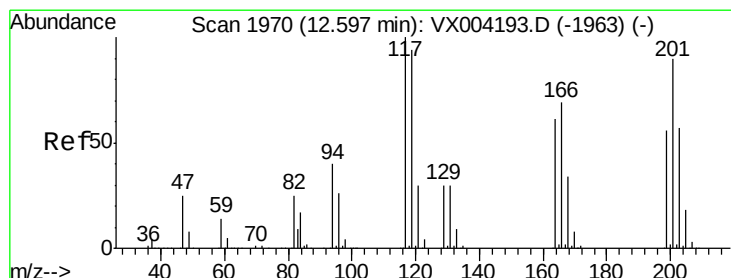
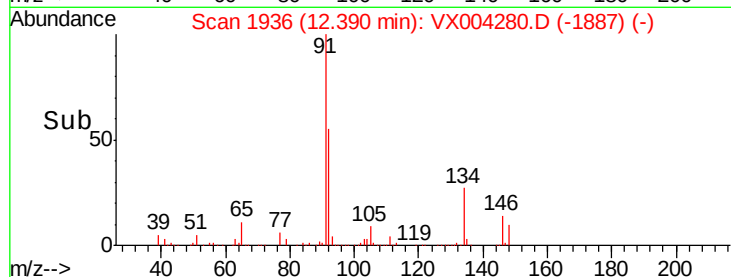
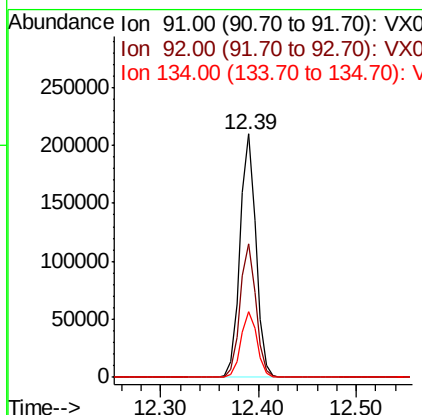
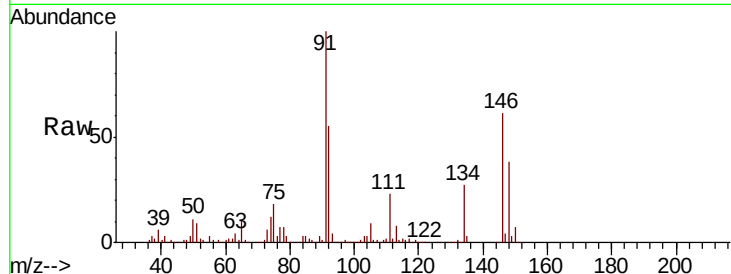
#89
n-Butylbenzene
Concen: 18.77 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.9
134	27.1	13.6	40.7

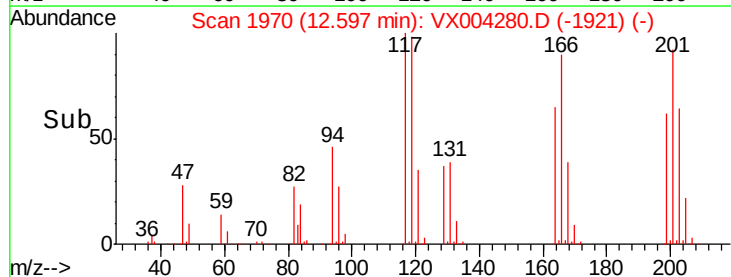
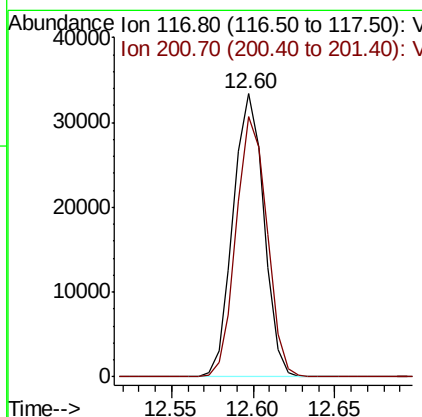
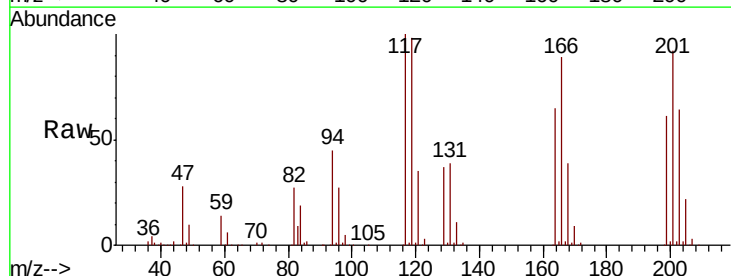
Manual Integrations
APPROVED

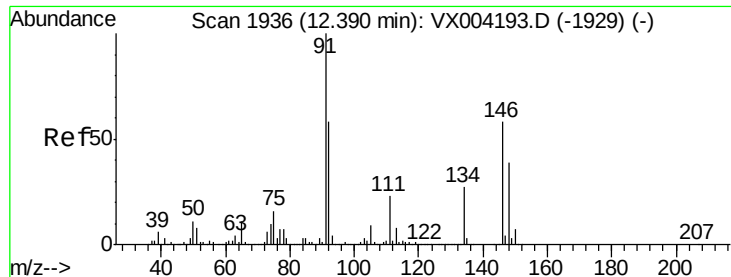
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#90
Hexachloroethane
Concen: 20.26 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004280.D
Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	46.9	140.6





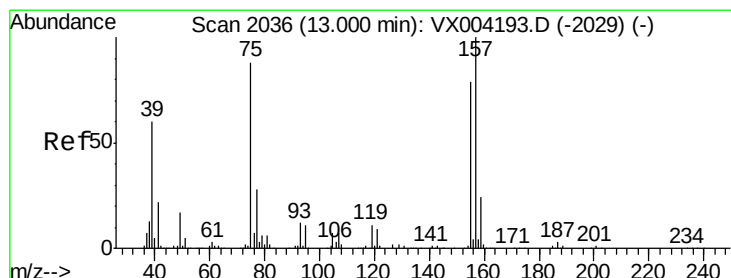
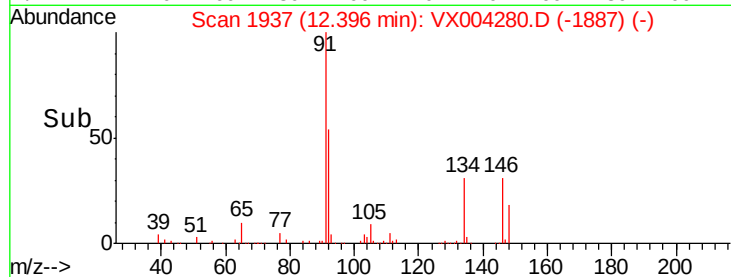
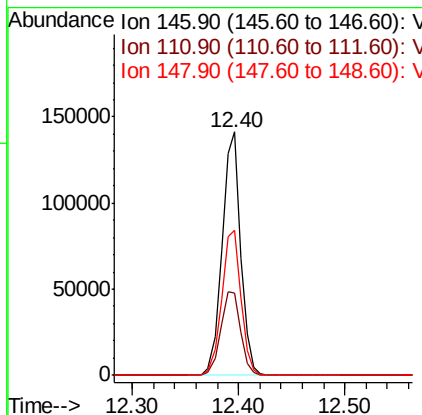
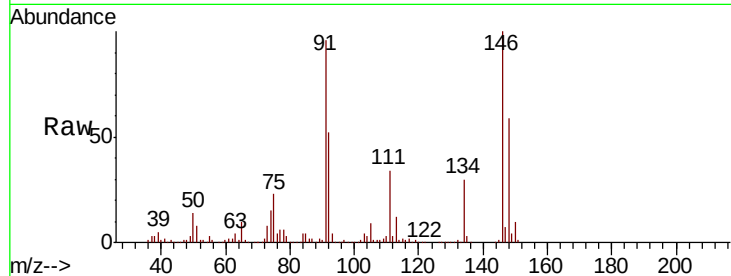
#91
 1,2-Dichlorobenzene
 Concen: 20.31 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.4	58.1
148	61.8	32.8	98.3

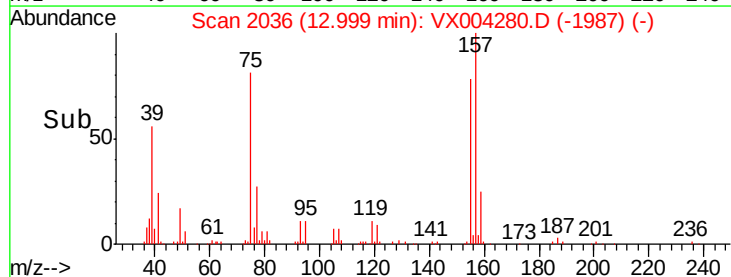
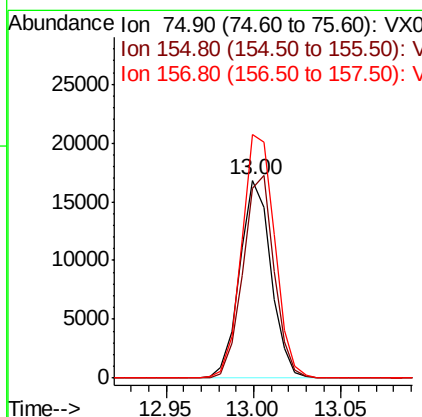
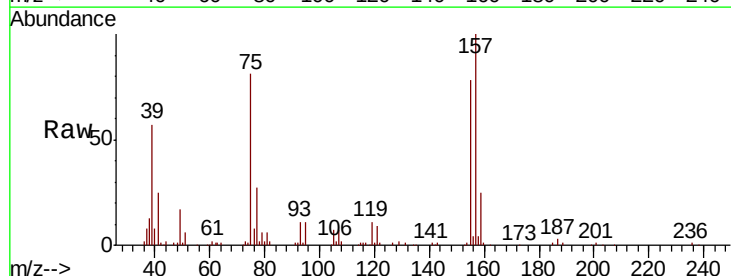
Manual Integrations
 APPROVED

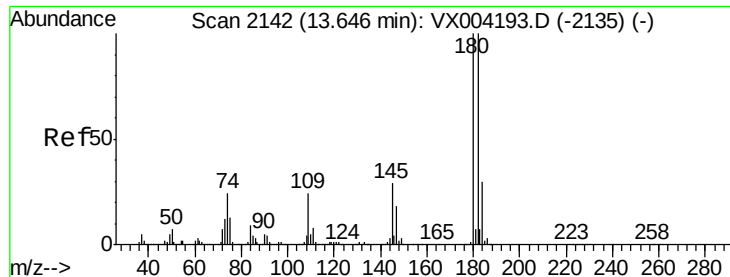
MMDadoda
 8/30/2018 1:38:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.44 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	48.0	144.2
157	129.7	61.4	184.1





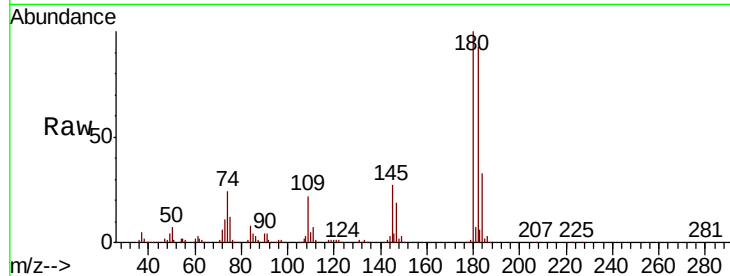
#93
 1,2,4-Trichlorobenzene
 Concen: 19.57 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Instrument :
 MSVOA_X
 ClientSampled :
 VX0829WBS01

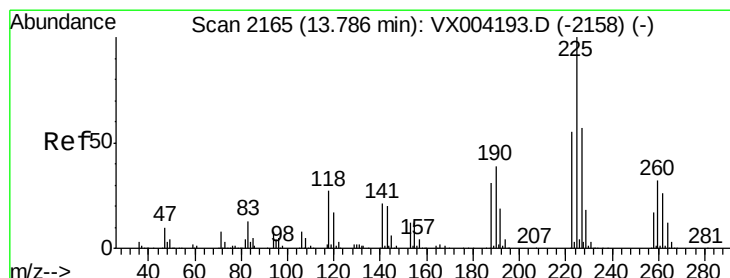
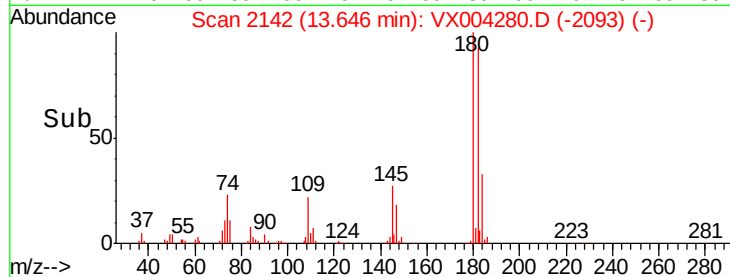
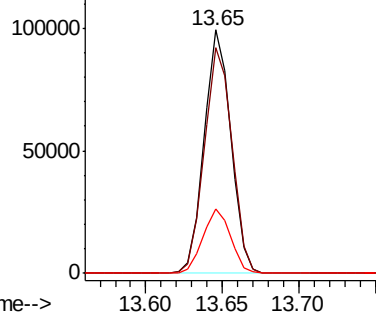
Tot Ion:	180	Resp:	120291
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.4	145.0
145	27.5	14.3	42.9

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 1:38:33 PM

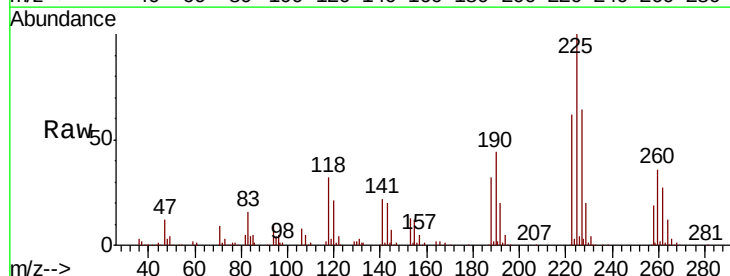


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

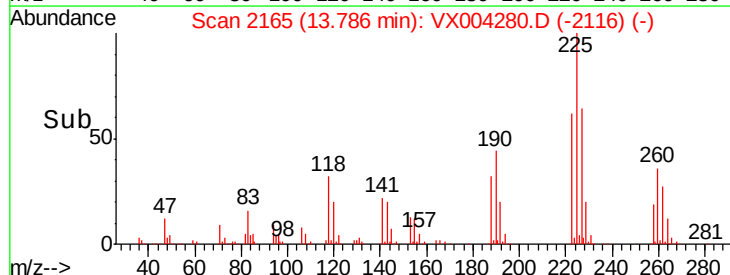
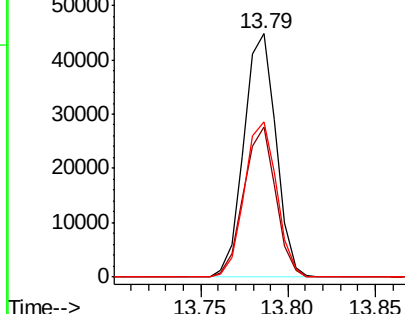


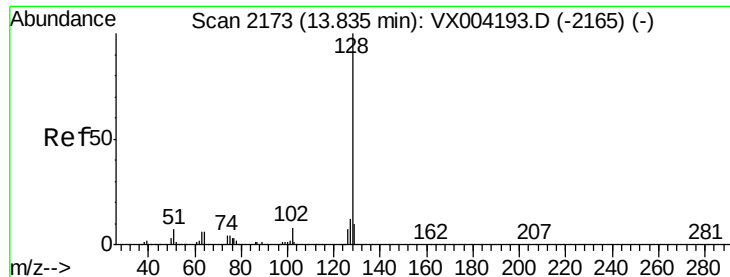
#94
 Hexachlorobutadiene
 Concen: 19.96 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004280.D
 Acq: 29 Aug 2018 09:36

Tgt Ion:	225	Resp:	57300
Ion Ratio	Lower	Upper	
225	100		
223	60.8	30.1	90.5
227	63.9	30.8	92.4



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





#95

Naphthalene

Concen: 22.11 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Instrument :

MSVOA_X

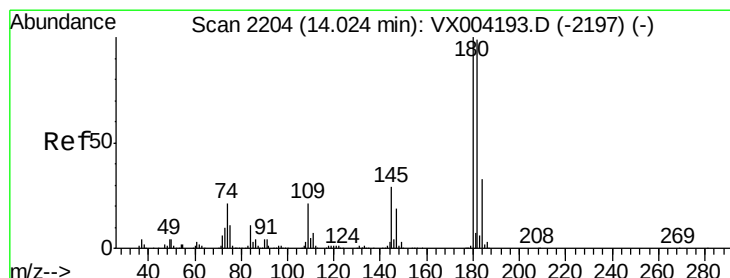
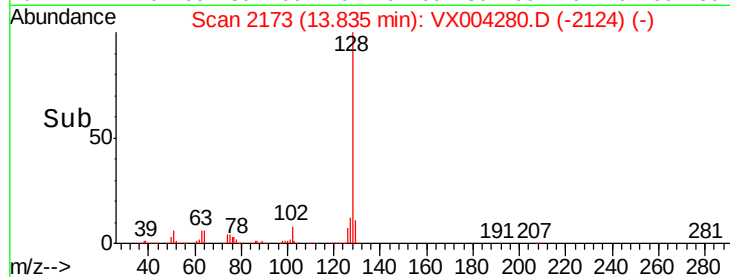
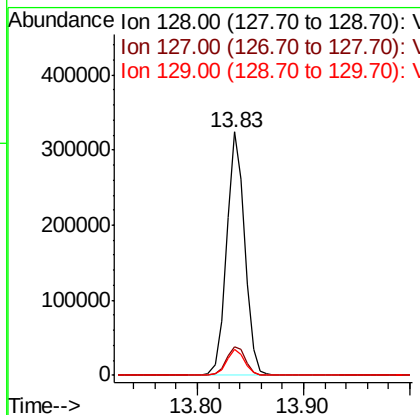
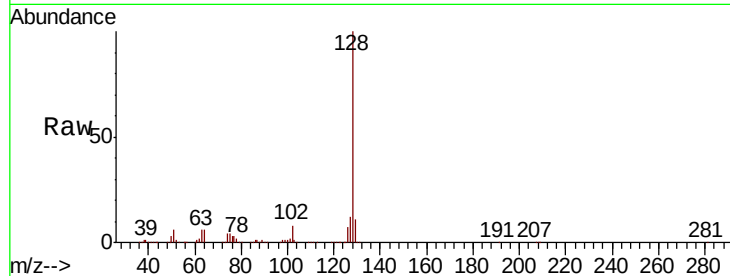
ClientSampleId :

VX0829WBS01

Tot Ion:	128	Resp:	384399
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/30/2018 1:38:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.69 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004280.D

Acq: 29 Aug 2018 09:36

Tgt Ion:	180	Resp:	134632
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.5	145.6
145	29.7	14.9	44.9

