

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004335.D
 Acq On : 31 Aug 2018 19:13
 Operator : JC/MD
 Sample : VX0831WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:10:51 PM

Quant Time: Sep 01 05:25:02 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	5.66	168	289630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	424591	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	393931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	246940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	188746	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	5.50	113	159876	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	8.71	98	598634	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.14	95	222641	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64576	19.25	ug/l	98
3) Chloromethane	1.32	50	71994	19.59	ug/l	100
4) Vinyl Chloride	1.40	62	74342	19.59	ug/l	97
5) Bromomethane	1.64	94	38205	19.17	ug/l	100
6) Chloroethane	1.72	64	49694	17.76	ug/l	99
7) Trichlorofluoromethane	1.93	101	101977	19.61	ug/l	96
8) Diethyl Ether	2.18	74	45160	20.28	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63193	19.40	ug/l	100
10) Methyl Iodide	2.51	142	60984	19.44	ug/l	99
11) Tert butyl alcohol	3.07	59	83803	104.14	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58699	19.13	ug/l	96
13) Acrolein	2.29	56	35712	184.08	ug/l	97
14) Allyl chloride	2.73	41	115321	20.46	ug/l	97
15) Acrylonitrile	3.15	53	206880	103.81	ug/l	100
16) Acetone	2.45	43	168259	104.49	ug/l	99
17) Carbon Disulfide	2.57	76	141837	17.18	ug/l	100
18) Methyl Acetate	2.78	43	145925	26.05	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	208716	20.64	ug/l	98
20) Methylene Chloride	2.86	84	71959	19.80	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	63318	18.64	ug/l	97
22) Diisopropyl ether	3.87	45	221542	21.05	ug/l	99
23) Vinyl Acetate	3.82	43	822516	96.42	ug/l	100
24) 1,1-Dichloroethane	3.70	63	124800	20.35	ug/l	99
25) 2-Butanone	4.70	43	264069	102.72	ug/l	99
26) 2,2-Dichloropropane	4.58	77	89226	18.55	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	74853	19.43	ug/l	100
28) Bromochloromethane	5.01	49	57456	21.16	ug/l	97
29) Tetrahydrofuran	5.15	42	167724	103.41	ug/l	99
30) Chloroform	5.21	83	125737	20.44	ug/l	99
31) Cyclohexane	5.57	56	100413	18.97	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	101109	19.72	ug/l	99
36) 1,1-Dichloropropene	5.79	75	89451	18.74	ug/l	99
37) Ethyl Acetate	4.86	43	94127	20.05	ug/l	100
38) Carbon Tetrachloride	5.78	117	85738	19.09	ug/l	94

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Manual Integrations
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MMDadoda
 9/4/2018 12:10:51 PM

Quant Time: Sep 01 05:25:02 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)
39) Methylcyclohexane	7.46	83	101803	18.68	ug/l	98
40) Benzene	6.14	78	284358	19.94	ug/l	100
41) Methacrylonitrile	5.06	41	55051	20.23	ug/l	100
42) 1,2-Dichloroethane	6.20	62	97340	20.01	ug/l	100
43) Isopropyl Acetate	6.46	43	143077	19.83	ug/l	100
44) Trichloroethene	7.21	130	74799	18.95	ug/l	95
45) 1,2-Dichloropropane	7.52	63	72165	20.22	ug/l	99
46) Dibromomethane	7.67	93	46582	19.60	ug/l	99
47) Bromodichloromethane	7.90	83	87237	19.72	ug/l	98
48) Methyl methacrylate	7.77	41	76845	19.91	ug/l	100
49) 1,4-Dioxane	7.76	88	35825	408.79	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	510280	97.36	ug/l	100
52) Toluene	8.79	92	180552	20.22	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	93527	19.15	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	105612	19.85	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	75261	20.88	ug/l	99
56) Ethyl methacrylate	9.18	69	97259	19.82	ug/l	100
57) 1,3-Dichloropropane	9.37	76	123693	20.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	291347	115.89	ug/l	99
59) 2-Hexanone	9.50	43	386857	96.75	ug/l	98
60) Dibromochloromethane	9.59	129	68431	19.49	ug/l	99
61) 1,2-Dibromoethane	9.67	107	74742	20.04	ug/l	100
64) Tetrachloroethene	9.34	164	77173	19.83	ug/l	98
65) Chlorobenzene	10.14	112	192666	19.49	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	68530	20.10	ug/l	99
67) Ethyl Benzene	10.25	91	326527	20.34	ug/l	97
68) m/p-Xylenes	10.36	106	249731	39.78	ug/l	99
69) o-Xylene	10.70	106	122512	20.63	ug/l	99
70) Styrene	10.71	104	202081	21.02	ug/l	99
71) Bromoform	10.86	173	50518	18.38	ug/l	99
73) Isopropylbenzene	11.02	105	335626	20.69	ug/l	100
74) N-amyl acetate	10.90	43	122285	19.58	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	112060	19.74	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	102322m	20.37	ug/l	
77) Bromobenzene	11.26	156	90132	19.81	ug/l	97
78) n-propylbenzene	11.36	91	386349	20.71	ug/l	100
79) 2-Chlorotoluene	11.42	91	233178	20.31	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	281125	20.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27762	17.94	ug/l	94
82) 4-Chlorotoluene	11.51	91	270797	20.04	ug/l	100
83) tert-Butylbenzene	11.77	119	275323	20.37	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	289753	21.02	ug/l	100
85) sec-Butylbenzene	11.94	105	343306	21.40	ug/l	99
86) p-Isopropyltoluene	12.07	119	307733	21.40	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	167232	19.52	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	167921	18.59	ug/l	98
89) n-Butylbenzene	12.39	91	257279	22.01	ug/l	98
90) Hexachloroethane	12.60	117	39458	19.63	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	164484	21.01	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18617	18.62	ug/l	96

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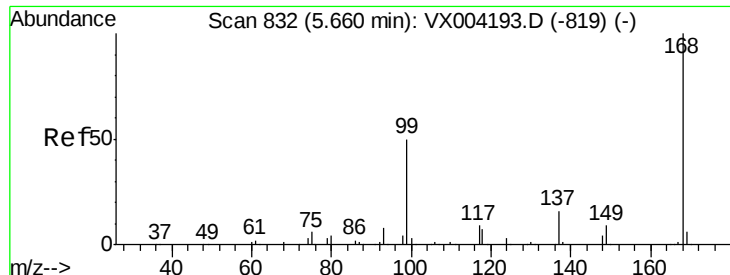
Manual Integrations
APPROVED

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9/4/2018 12:10:51 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)
93) 1,2,4-Trichlorobenzene	13.65	180	116398	20.43	ug/l	97
94) Hexachlorobutadiene	13.79	225	61849	23.27	ug/l	98
95) Naphthalene	13.83	128	343662	21.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	124610	20.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBSD01

Tot Ion:168 Resp: 289630

Ion Ratio Lower Upper

168 100

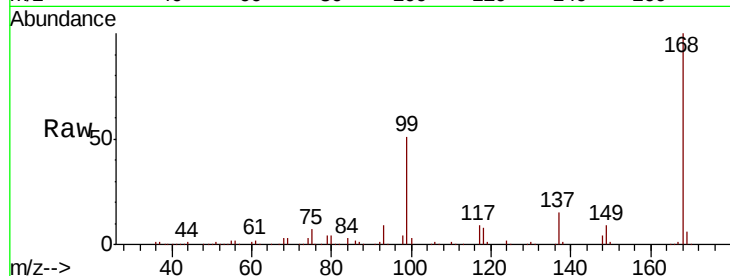
99 50.6 39.9 59.9

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

5.66

120000

100000

80000

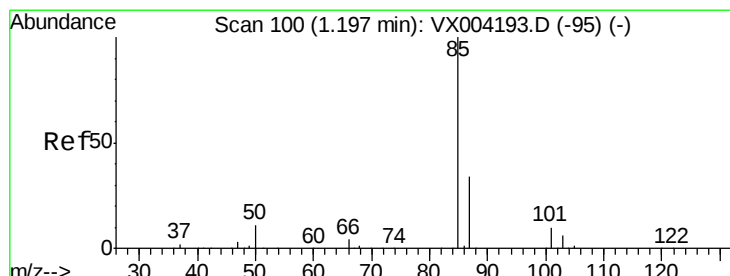
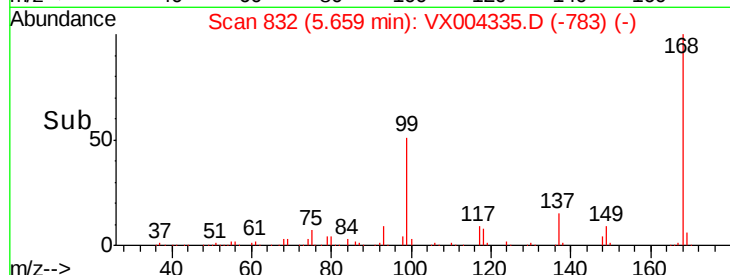
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.25 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004335.D

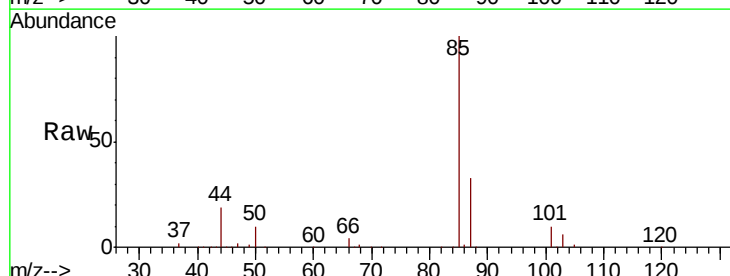
Acq: 31 Aug 2018 19:13

Tgt Ion: 85 Resp: 64576

Ion Ratio Lower Upper

85 100

87 33.0 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

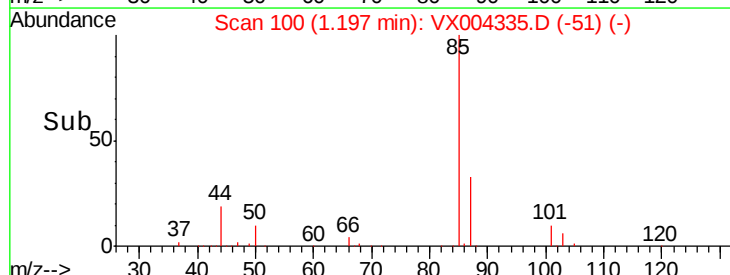
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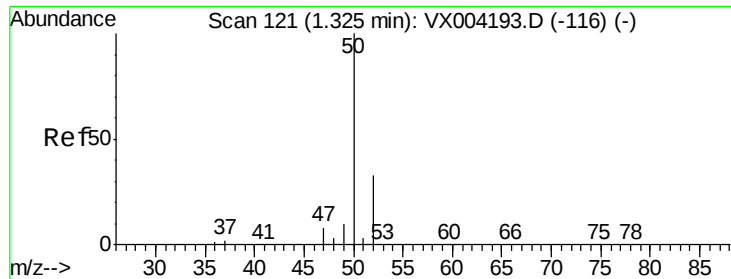
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.59 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBSD01

Tot Ion: 50 Resp: 71994

Ion Ratio Lower Upper

50 100

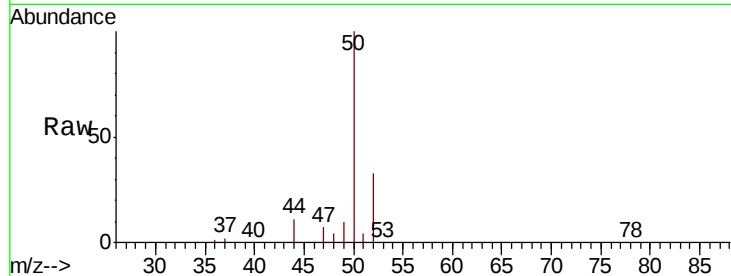
52 32.7 26.2 39.2

Manual Integrations

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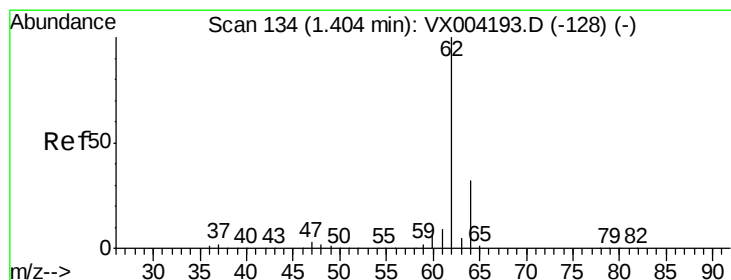
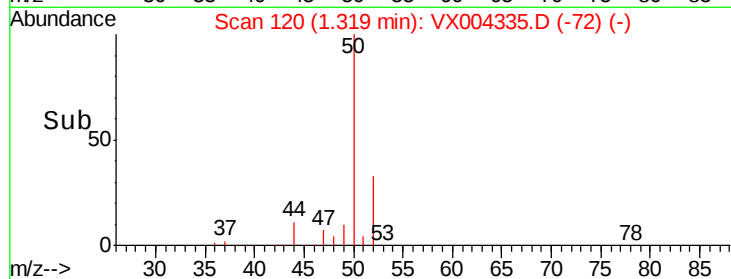
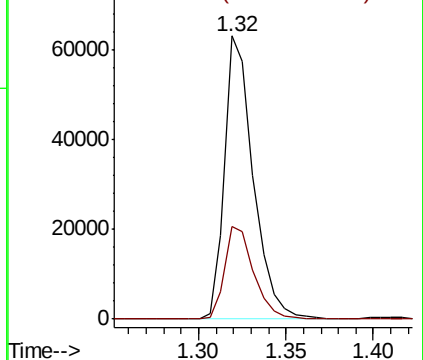
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.59 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004335.D

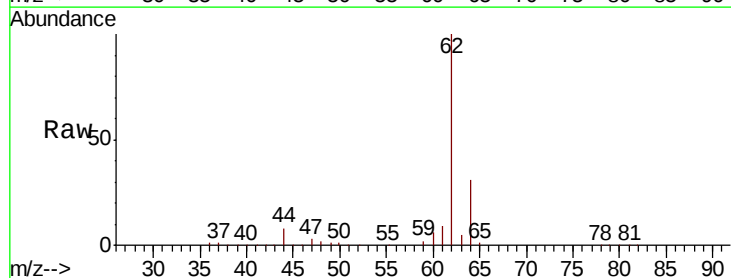
Acq: 31 Aug 2018 19:13

Tgt Ion: 62 Resp: 74342

Ion Ratio Lower Upper

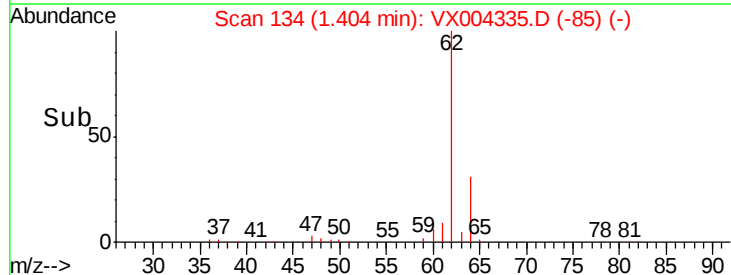
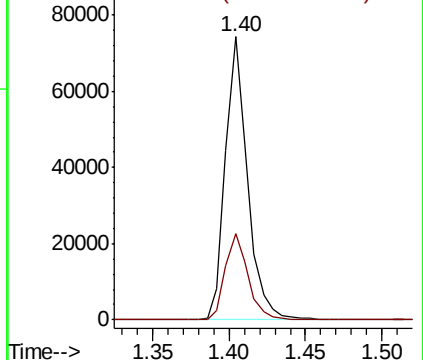
62 100

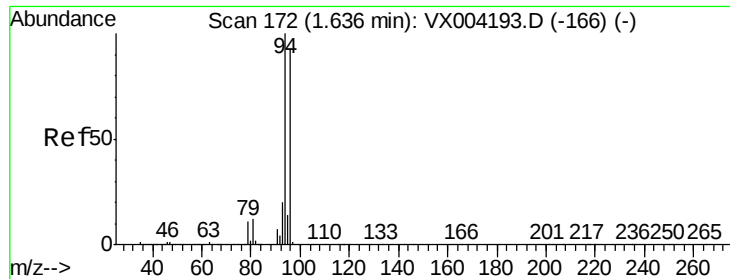
64 30.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.17 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBSD01

Tot Ion: 94 Resp: 38205

Ion Ratio Lower Upper

94 100

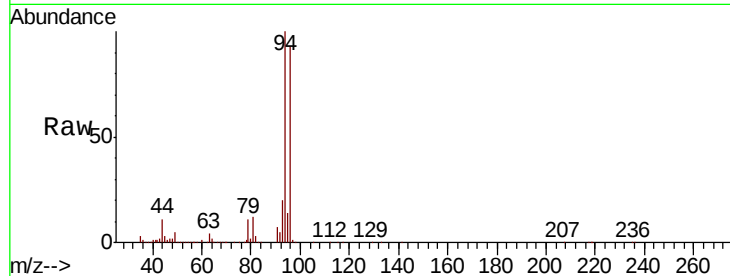
96 93.3 74.5 111.7

Manual Integrations

APPROVED

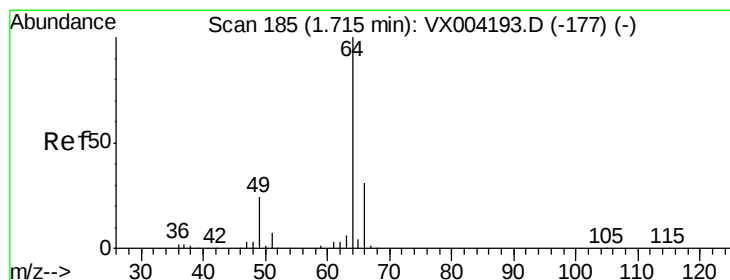
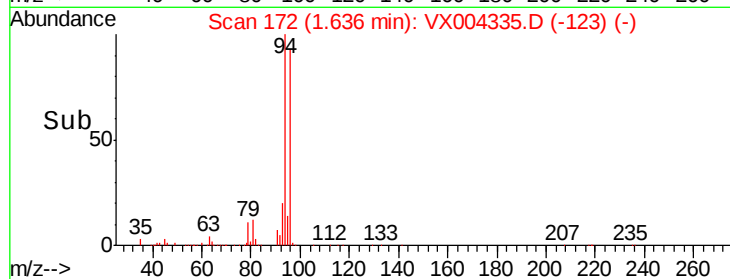
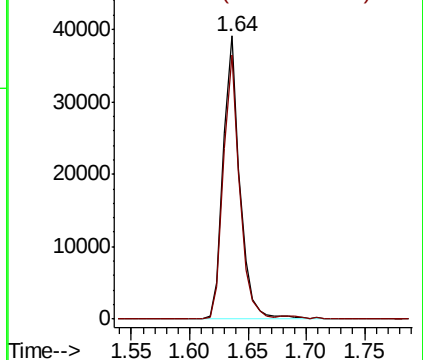
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.76 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004335.D

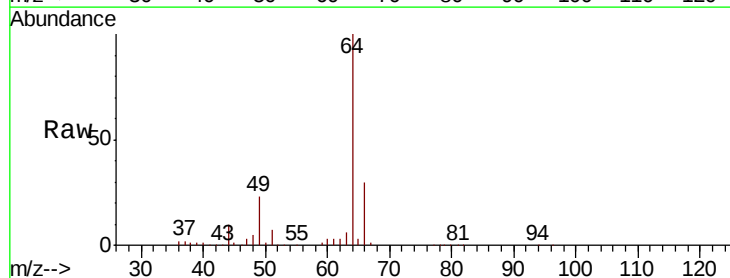
Acq: 31 Aug 2018 19:13

Tgt Ion: 64 Resp: 49694

Ion Ratio Lower Upper

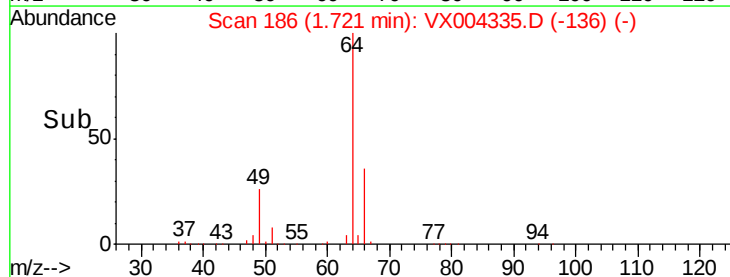
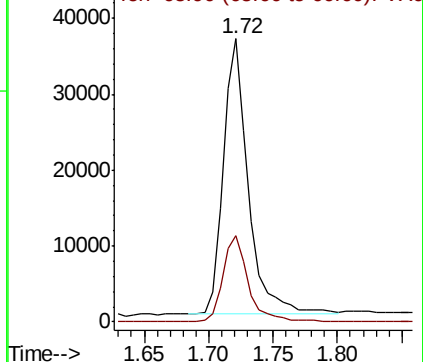
64 100

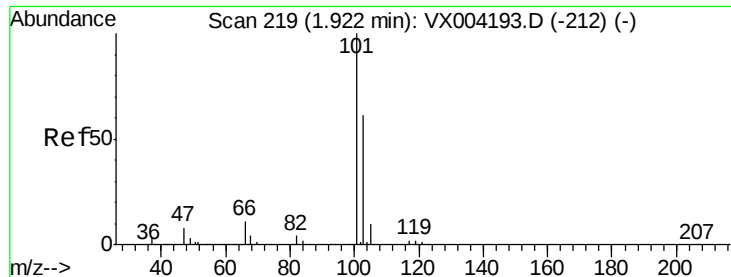
66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

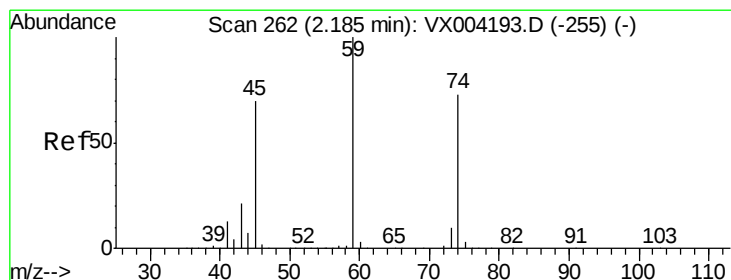
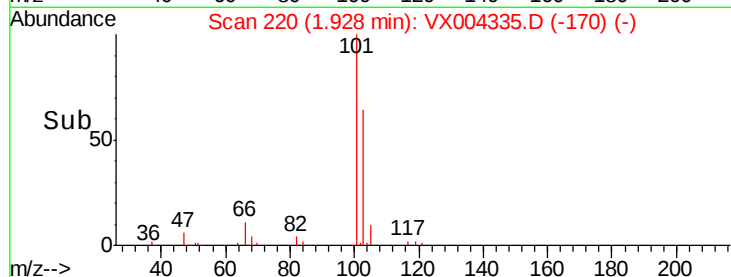
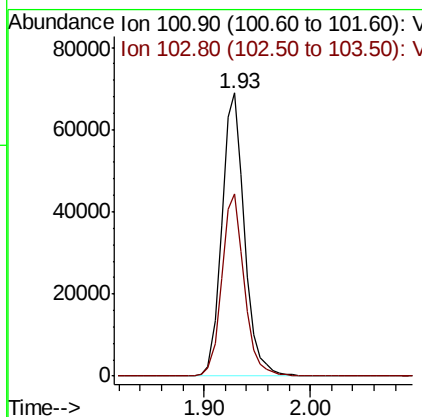
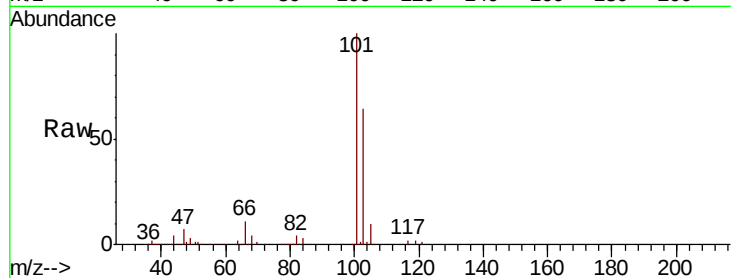
Trichlorofluoromethane
Concen: 19.61 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
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ClientSampleId :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	48.9	73.3

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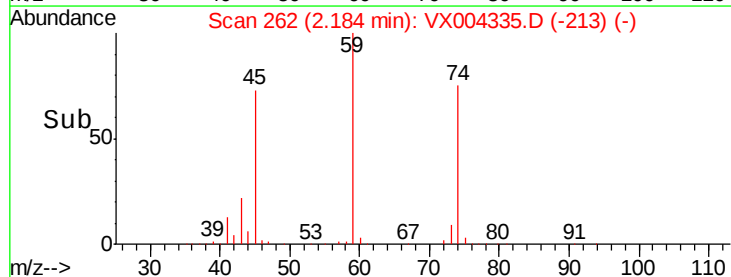
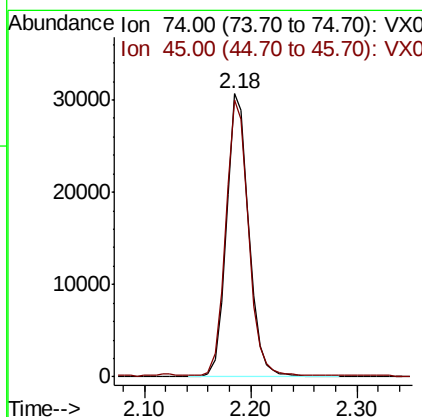
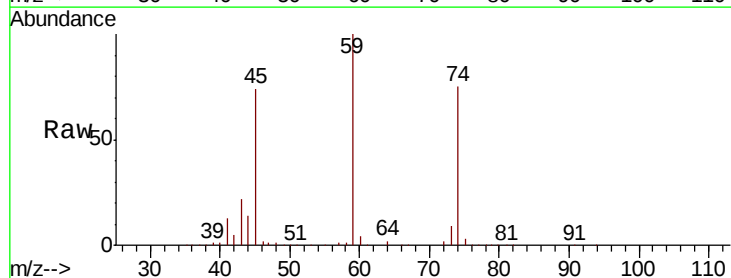
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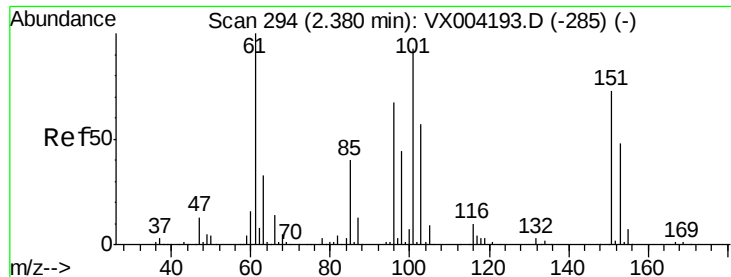


#8

Diethyl Ether
Concen: 20.28 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.40 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

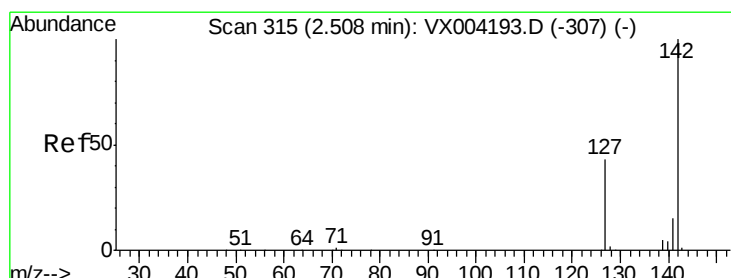
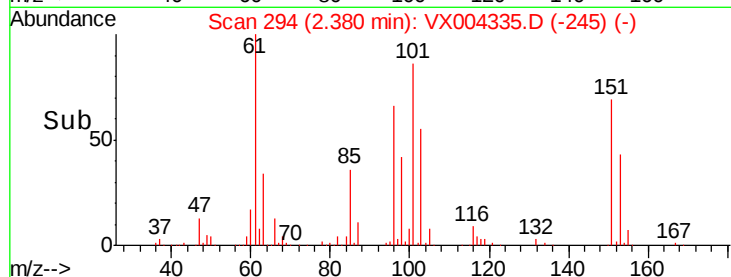
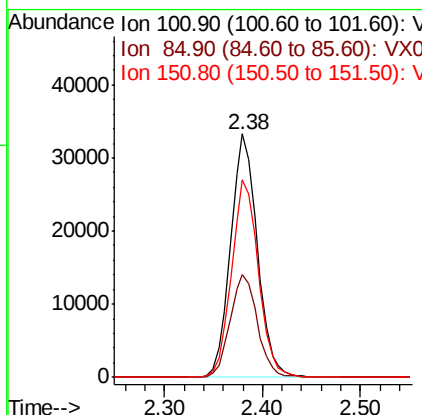
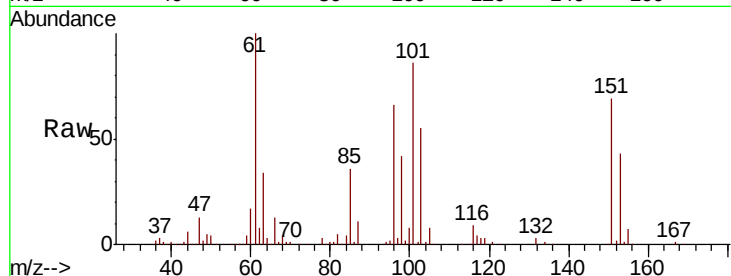
ClientSampleId :

VX0831WBSD01

Tot Ion:	101	Resp:	63193
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	81.4	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.44 ug/l

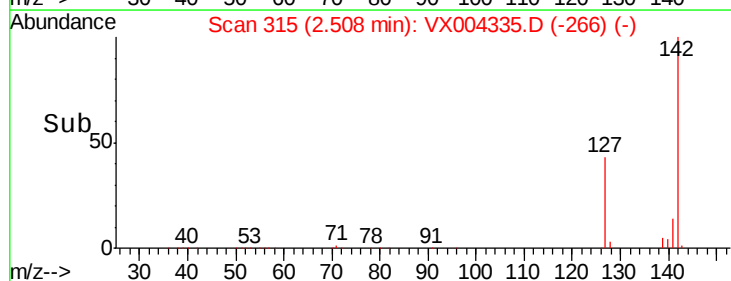
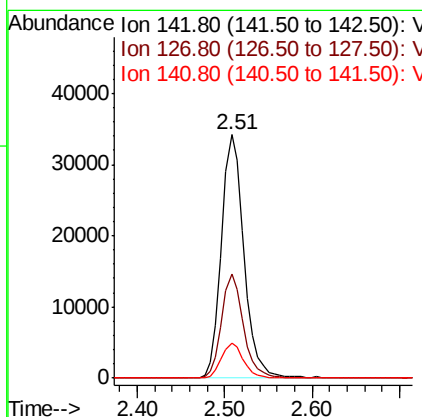
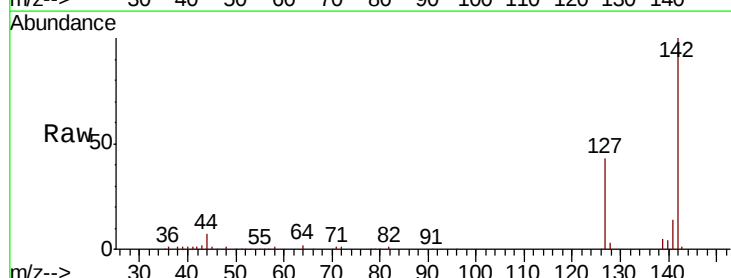
RT: 2.51 min Scan# 315

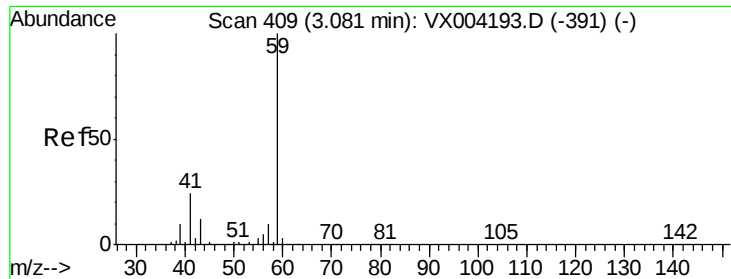
Delta R.T. 0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion:	142	Resp:	60984
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.8	50.6
141	14.2	11.4	17.0





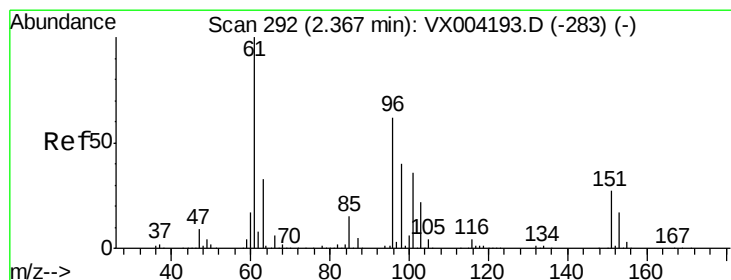
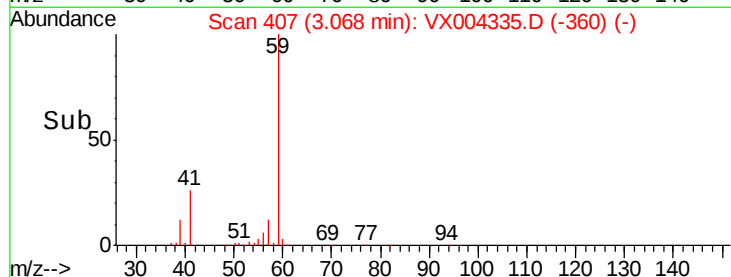
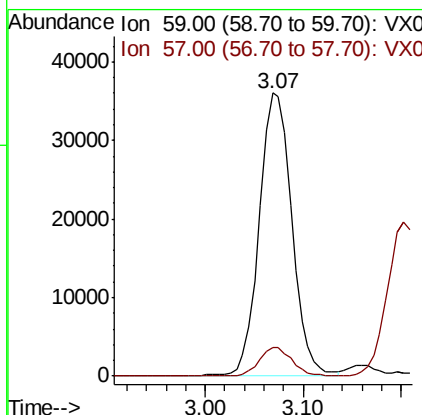
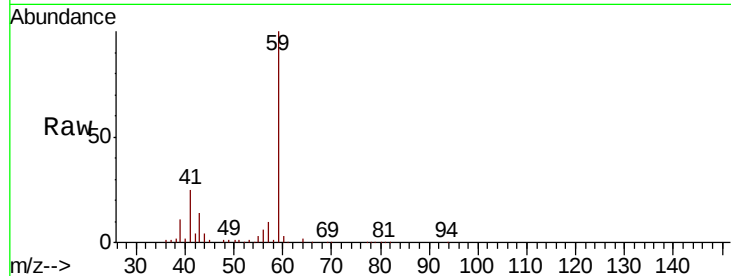
#11
Tert butyl alcohol
Concen: 104.14 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion: 59 Resp: 83803
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4

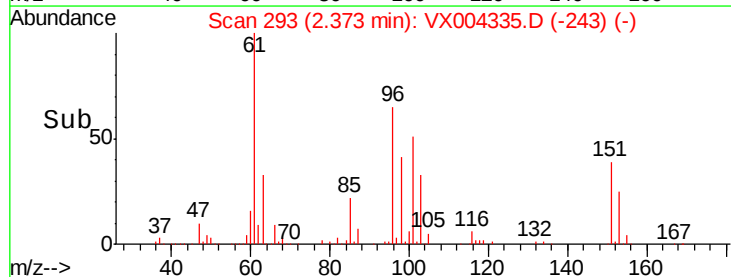
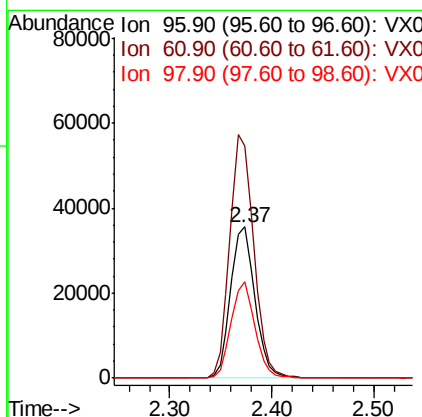
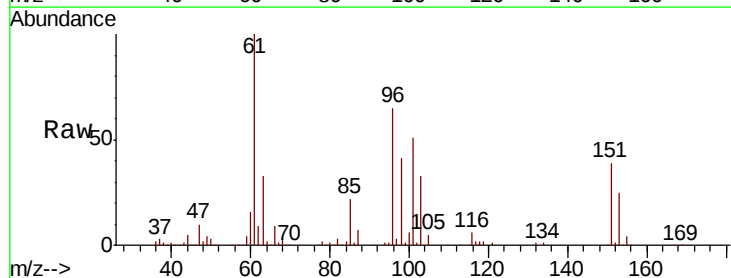
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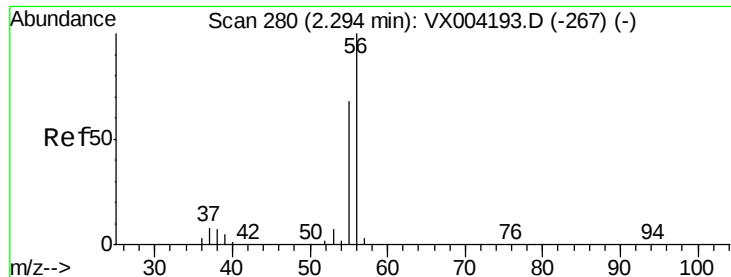
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.13 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion: 96 Resp: 58699
Ion Ratio Lower Upper
96 100
61 153.8 128.8 193.2
98 63.7 52.2 78.2





#13

Acrolein

Concen: 184.08 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBSD01

Tot Ion: 56 Resp: 35712

Ion Ratio Lower Upper

56 100

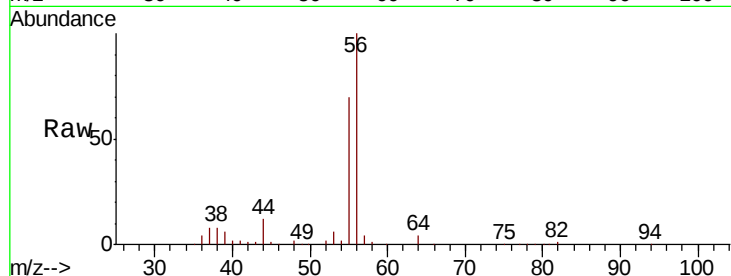
55 70.7 54.7 82.1

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

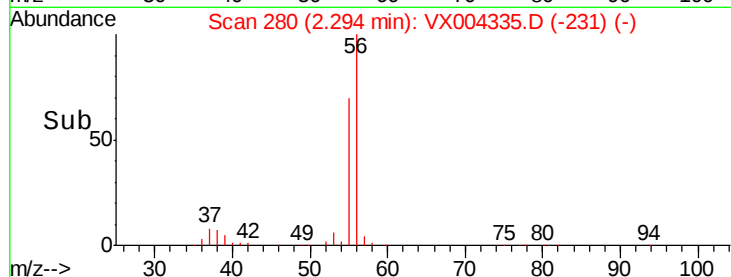
15000

10000

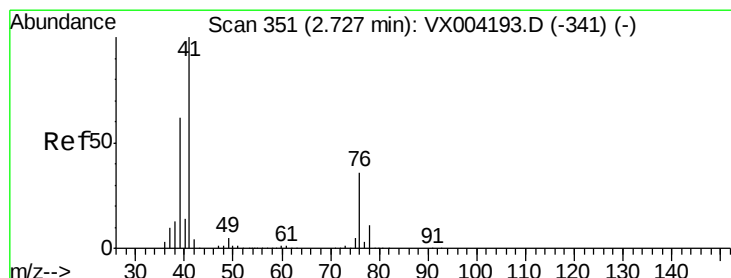
5000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 20.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

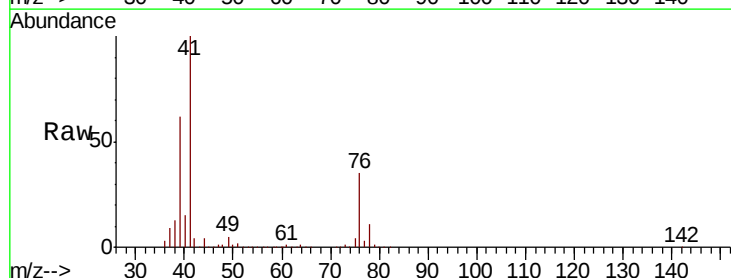
Tgt Ion: 41 Resp: 115321

Ion Ratio Lower Upper

41 100

39 58.7 48.9 73.3

76 32.0 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

80000

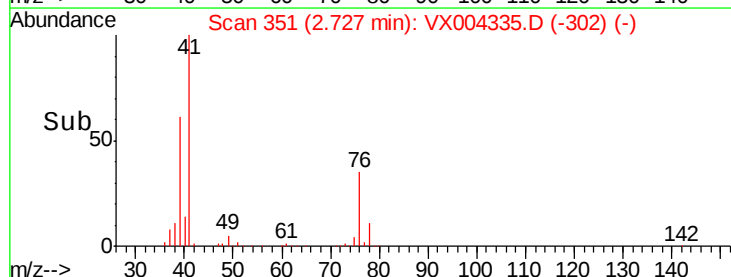
60000

40000

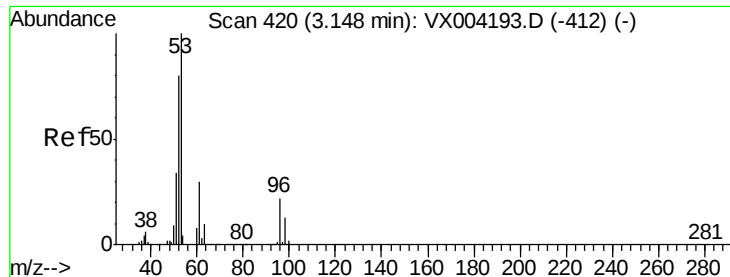
20000

0

Time-->



Time-->



#15

Acrylonitrile

Concen: 103.81 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

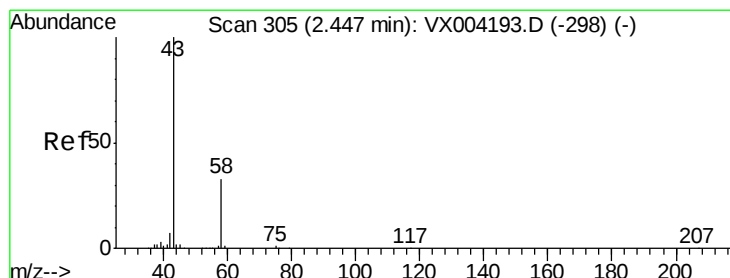
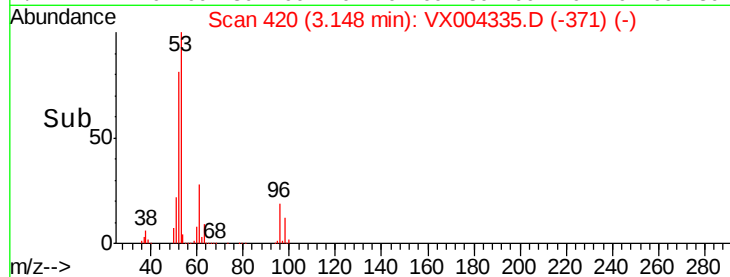
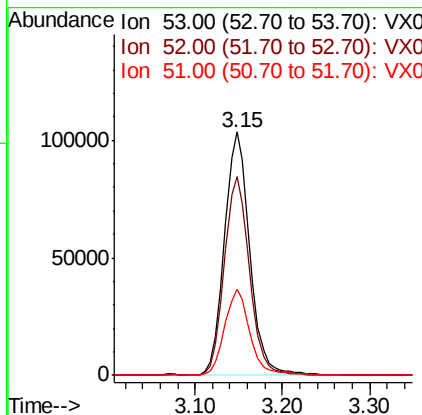
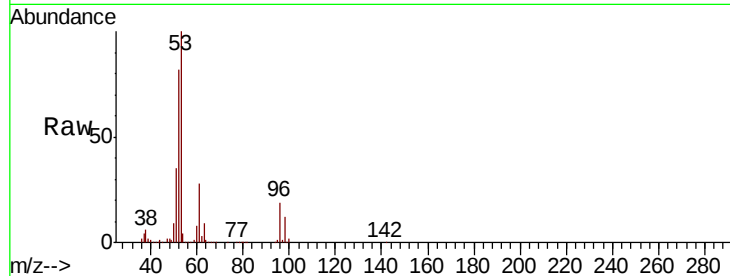
ClientSampleId :

VX0831WBSD01

Tot Ion:	53	Resp:	206880
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.2	97.8
51	35.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 104.49 ug/l

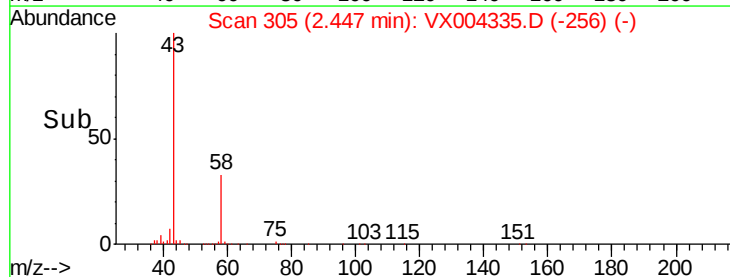
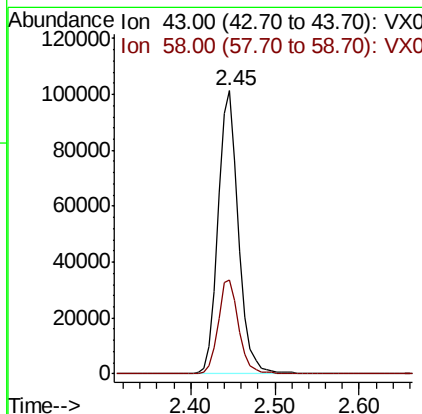
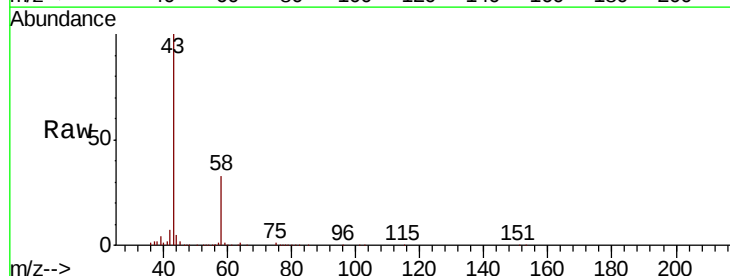
RT: 2.45 min Scan# 305

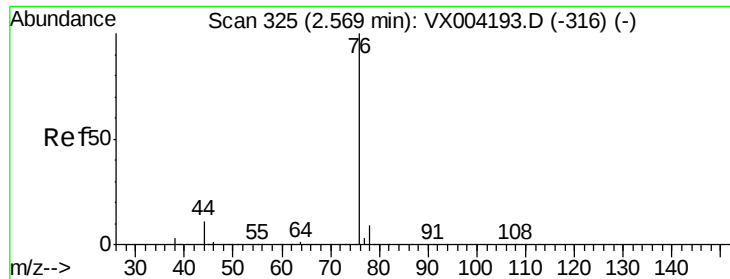
Delta R.T. 0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion:	43	Resp:	168259
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.2	39.4





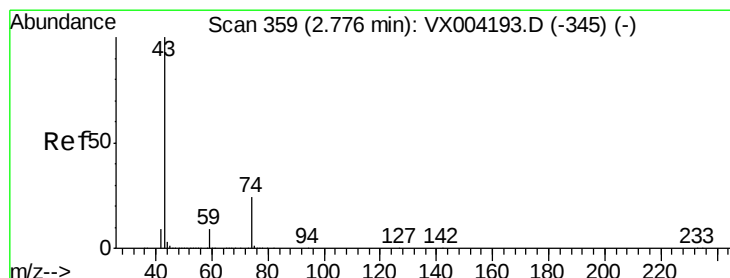
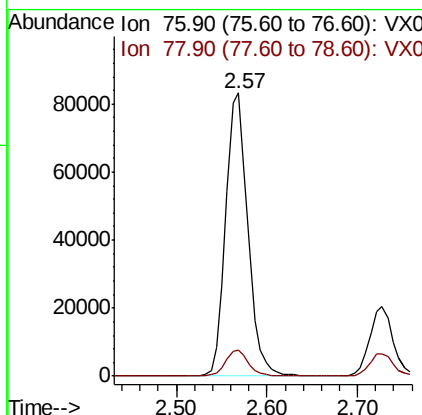
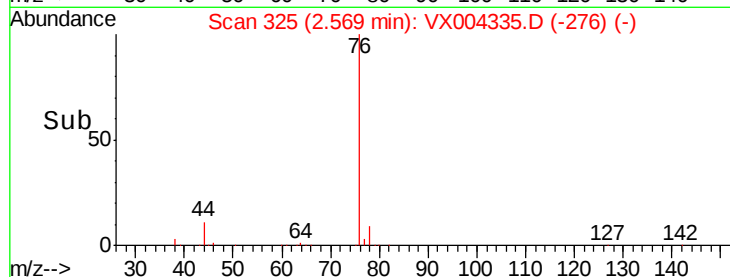
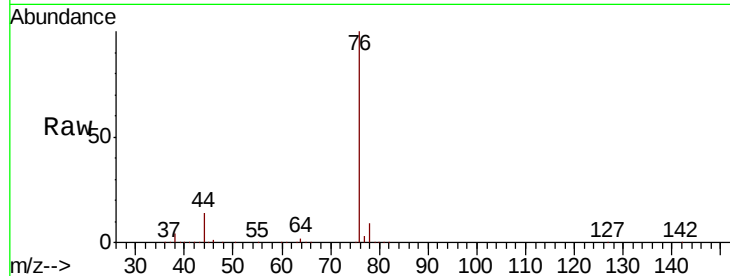
#17
Carbon Disulfide
Concen: 17.18 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

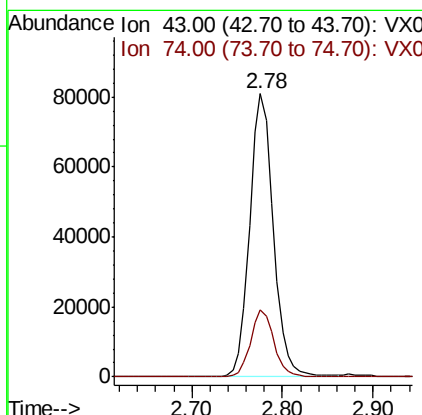
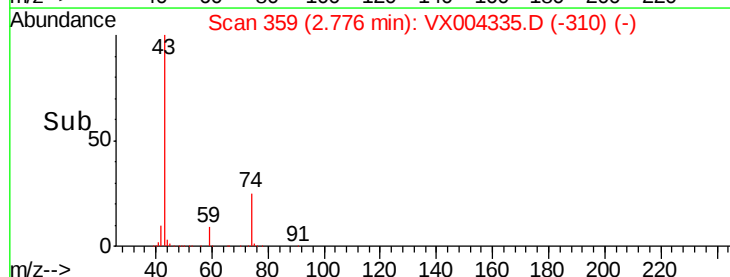
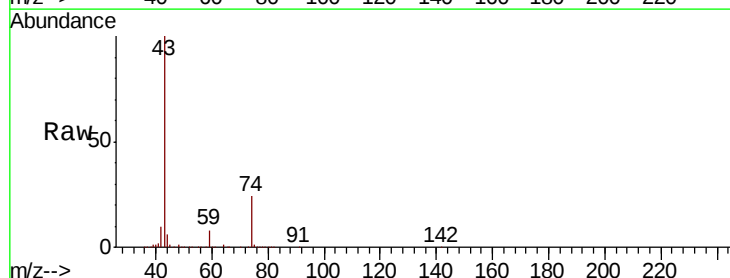
Manual Integrations
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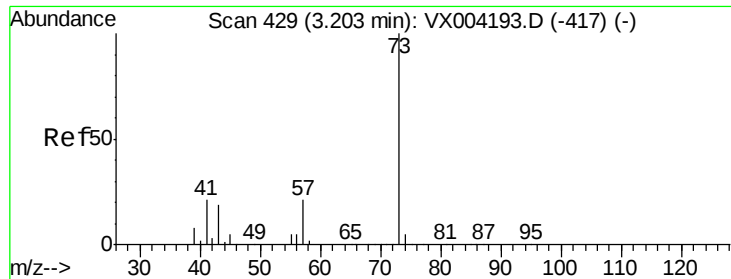
MMDadoda
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#18
Methyl Acetate
Concen: 26.05 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





#19

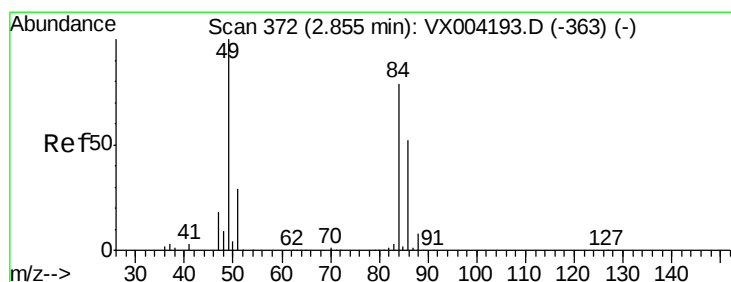
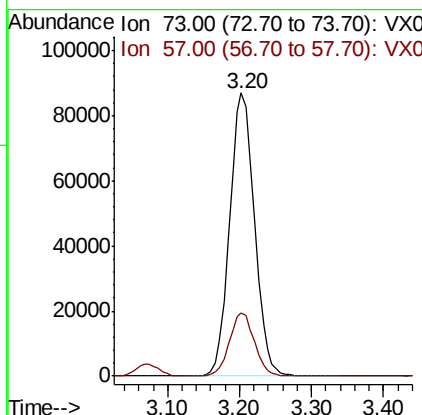
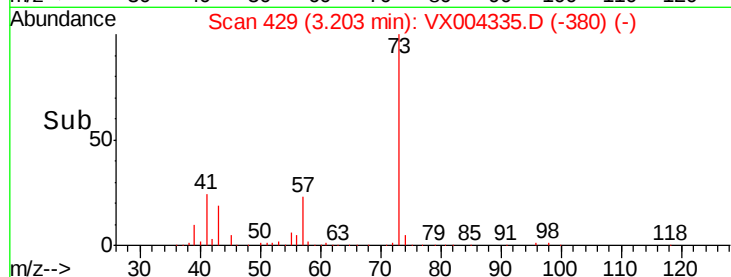
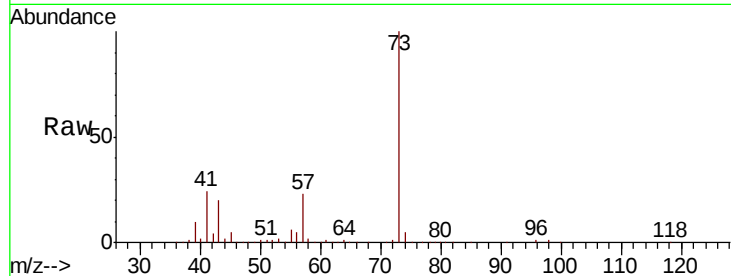
Methyl tert-butyl Ether
 Concen: 20.64 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.1	25.7

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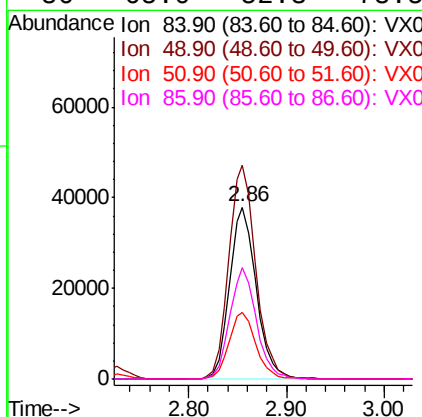
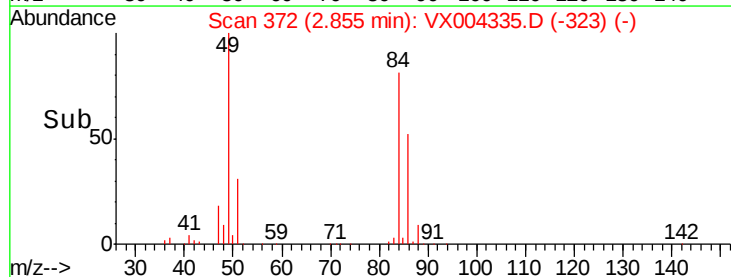
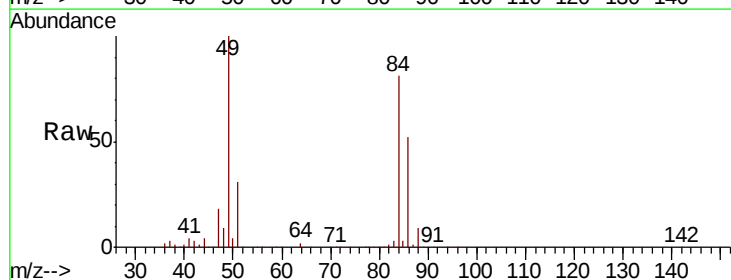
MMDadoda
 9/4/2018 12:10:51 PM

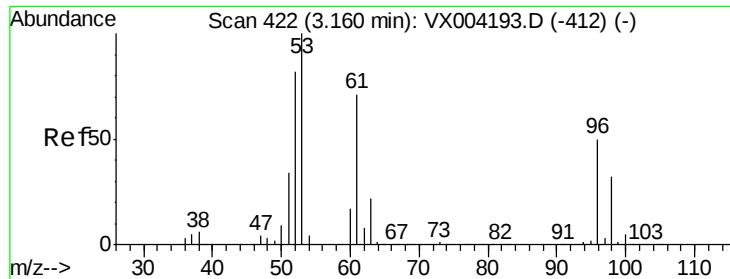


#20

Methylene Chloride
 Concen: 19.80 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	101.2	151.8
51	38.7	29.5	44.3
86	65.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.64 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBSD01

Tot Ion: 96 Resp: 63318

Ion Ratio Lower Upper

96 100

61 139.4 113.8 170.6

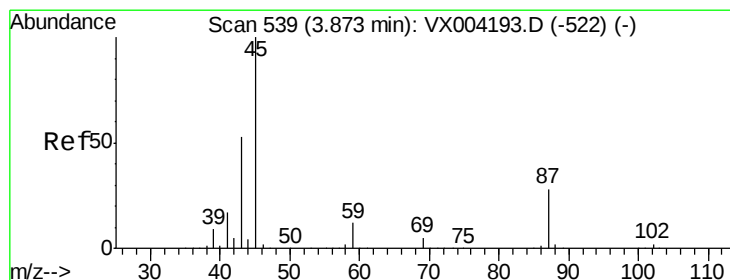
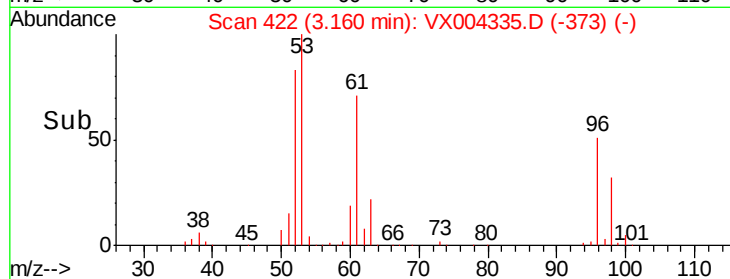
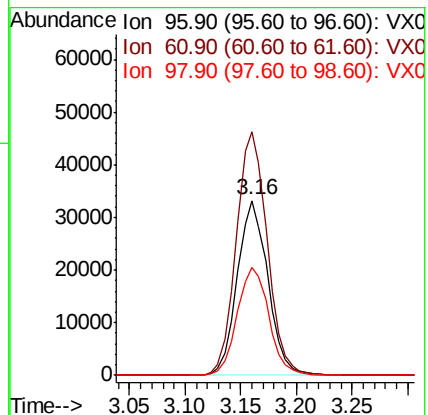
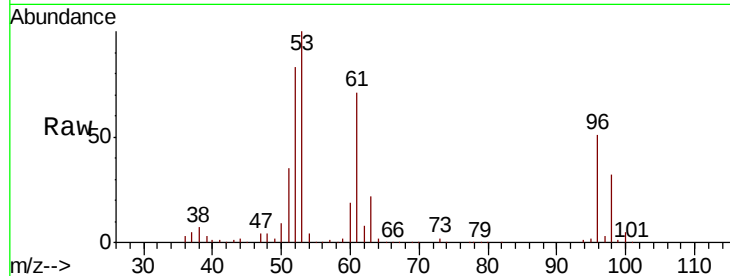
98 62.1 51.8 77.8

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#22

Diisopropyl ether

Concen: 21.05 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion: 45 Resp: 221542

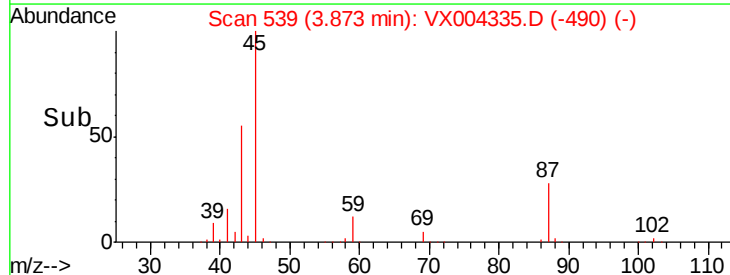
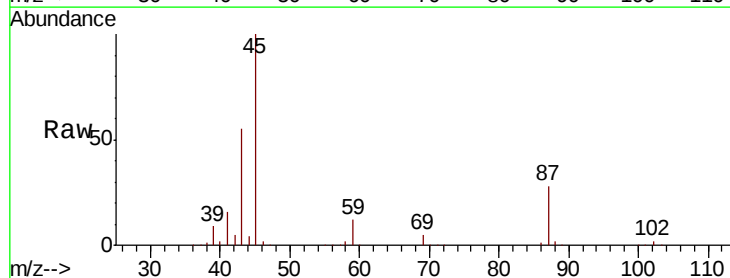
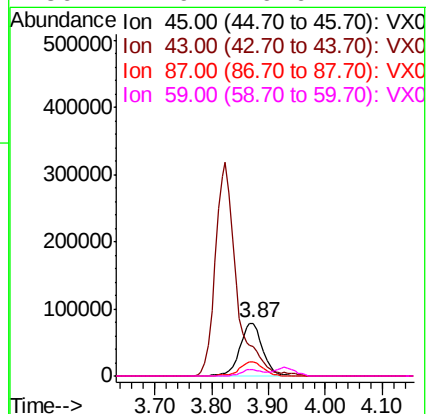
Ion Ratio Lower Upper

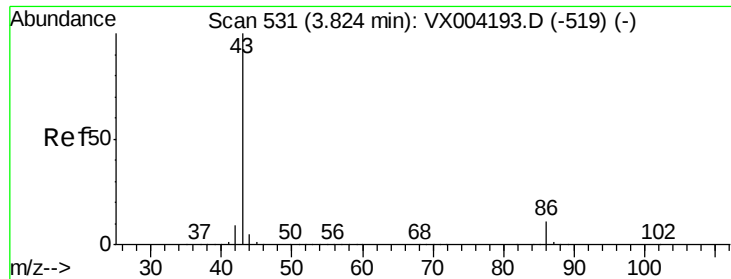
45 100

43 54.6 42.8 64.2

87 27.8 22.6 34.0

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 96.42 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampled :

VX0831WBSD01

Tot Ion: 43 Resp: 822516

Ion Ratio Lower Upper

43 100

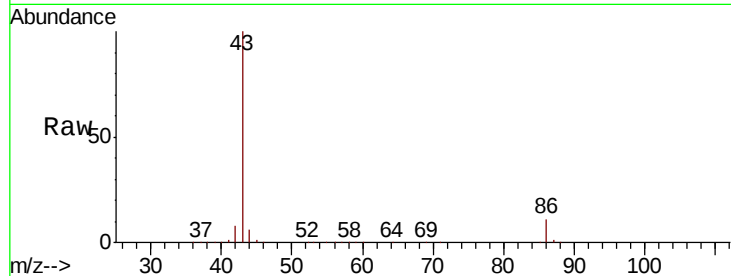
86 11.0 8.9 13.3

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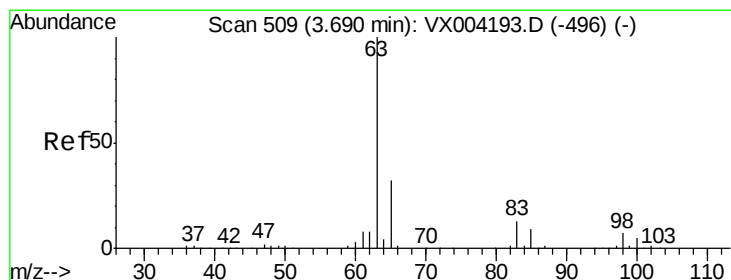
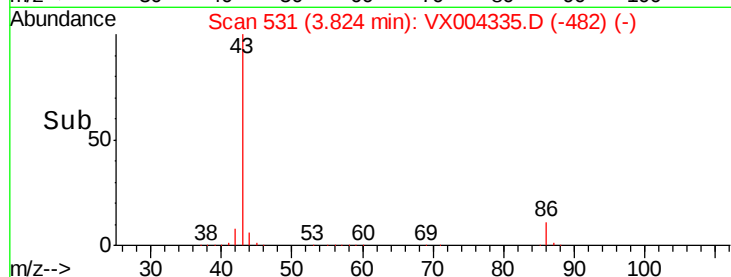
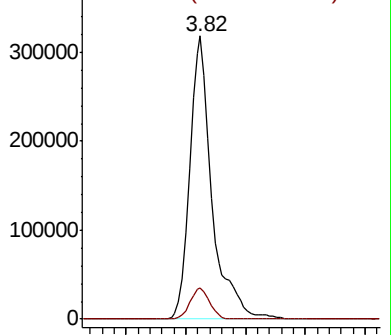
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.35 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

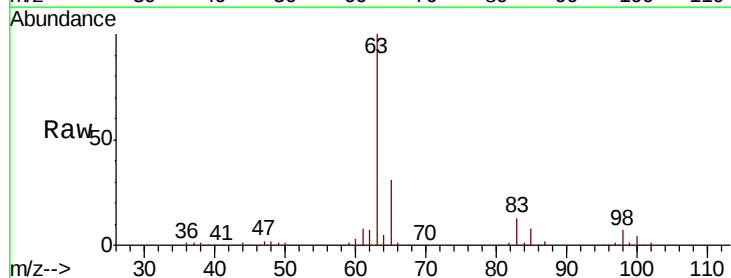
Tgt Ion: 63 Resp: 124800

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

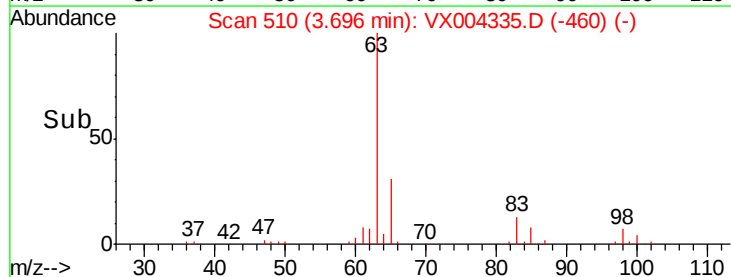
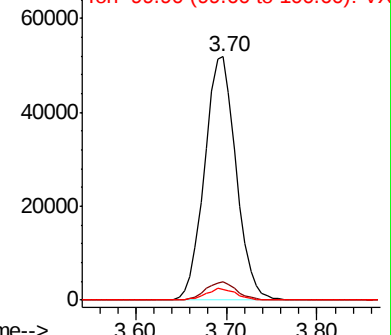
100 4.5 2.4 7.1

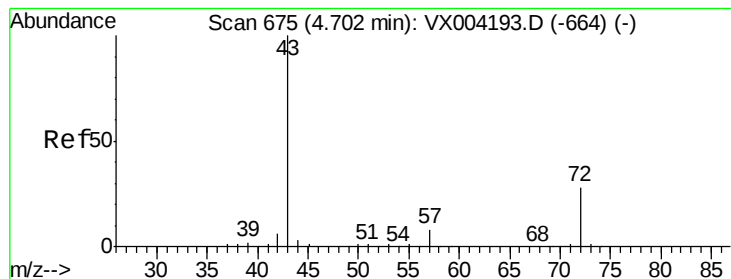


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 102.72 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampled :

VX0831WBSD01

Tot Ion: 43 Resp: 264069

Ion Ratio Lower Upper

43 100

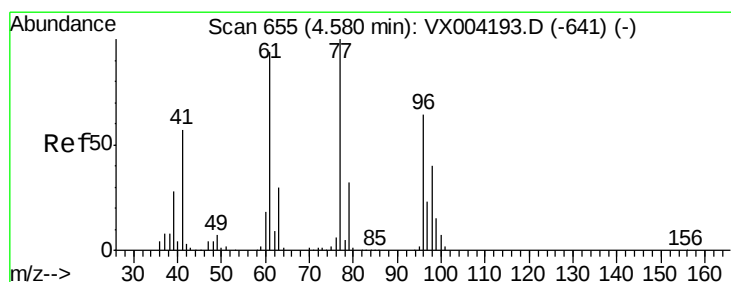
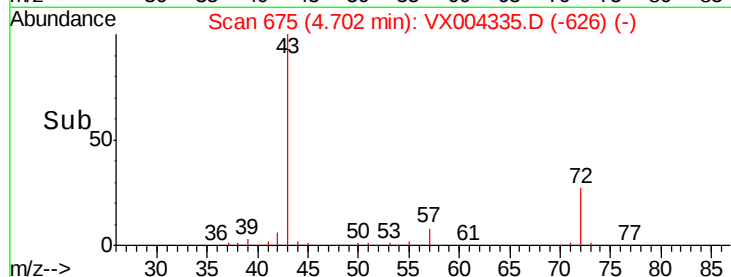
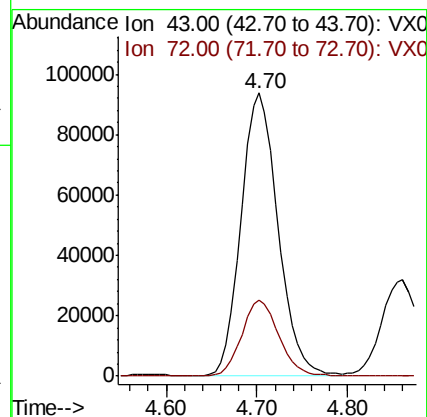
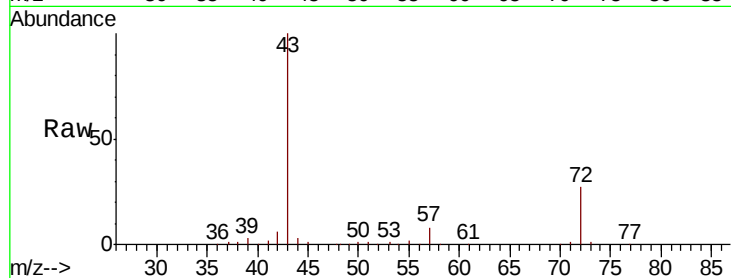
72 26.9 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.55 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004335.D

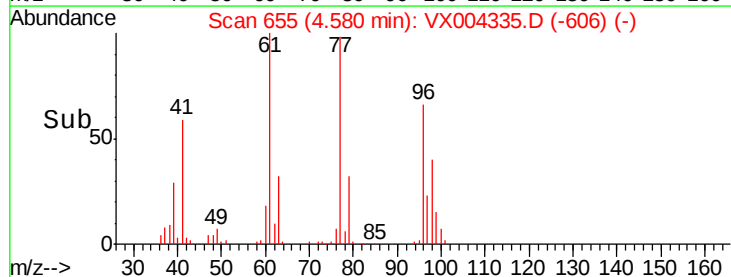
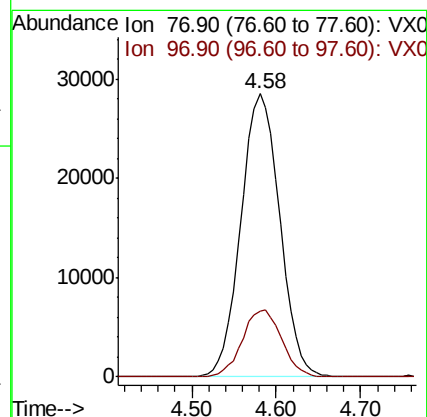
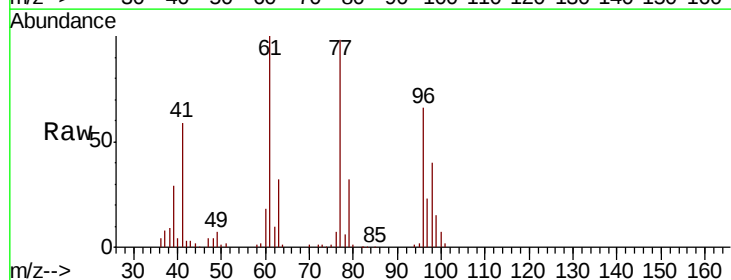
Acq: 31 Aug 2018 19:13

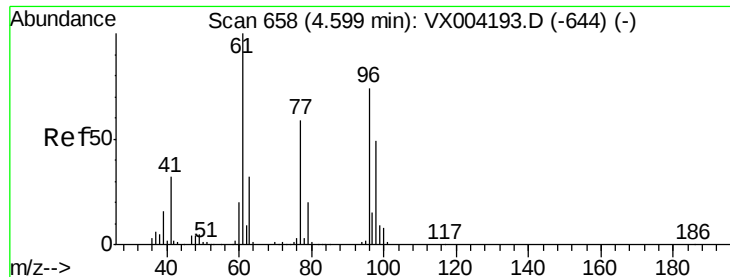
Tgt Ion: 77 Resp: 89226

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0





#27

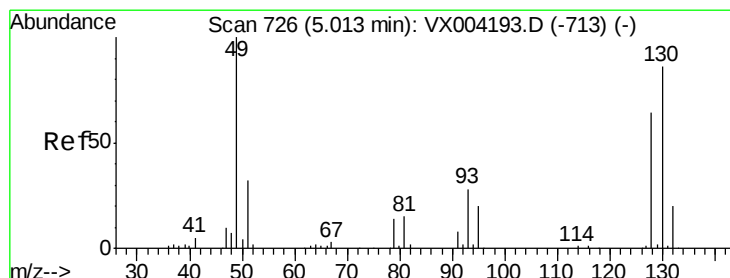
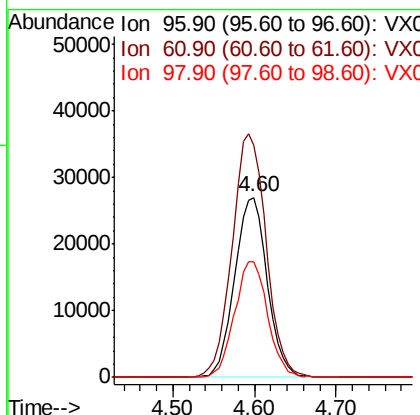
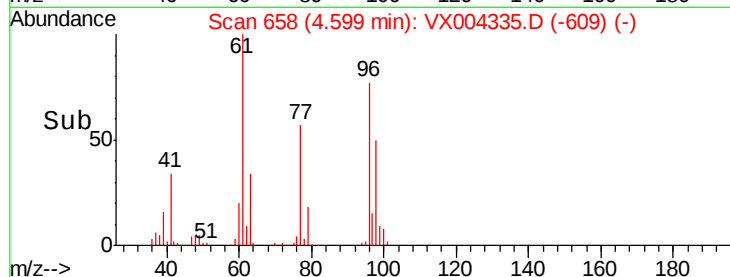
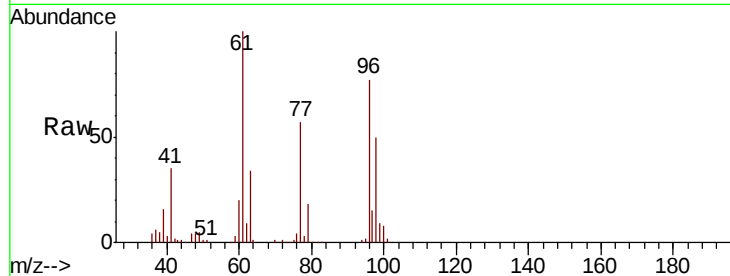
cis-1,2-Dichloroethene
 Concen: 19.43 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	282.6
98	65.2	0.0	130.2

Manual Integrations
 APPROVED

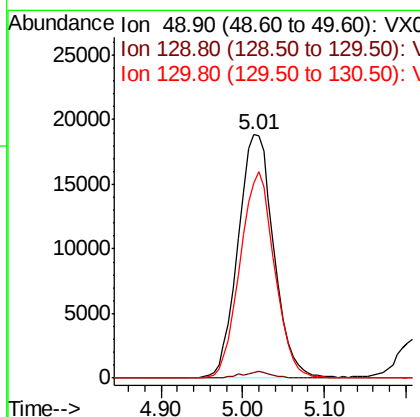
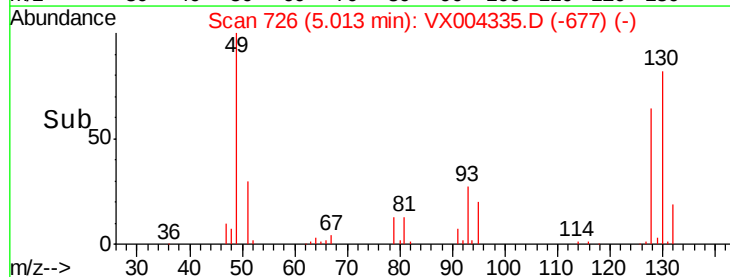
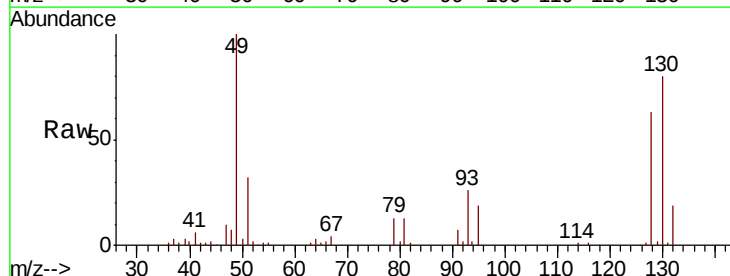
MMDadoda
 9/4/2018 12:10:51 PM

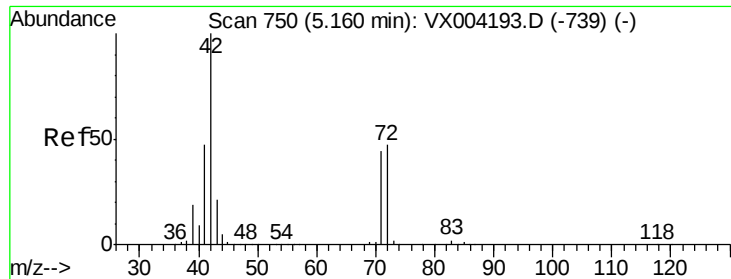


#28

Bromochloromethane
 Concen: 21.16 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	81.8	67.5	101.3





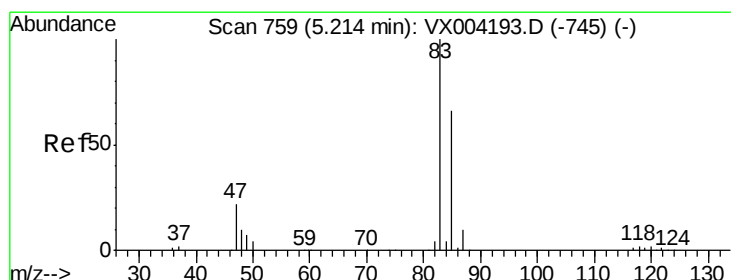
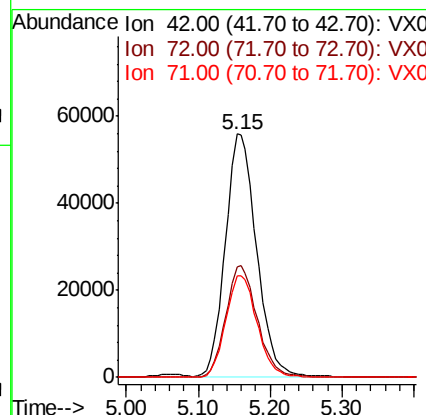
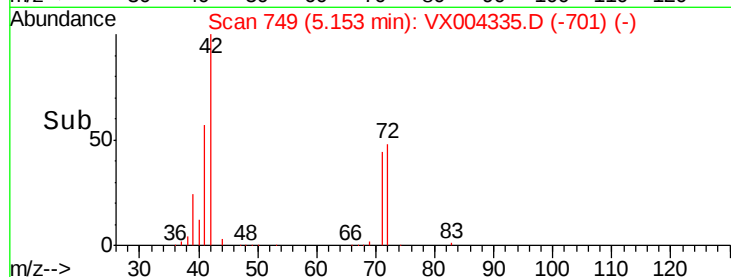
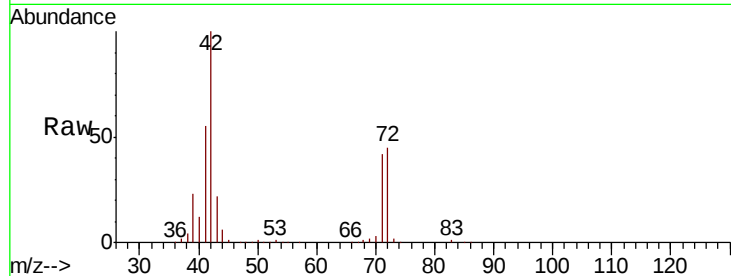
#29
Tetrahydrofuran
Concen: 103.41 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampled :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.4	56.0
71	42.3	34.5	51.7

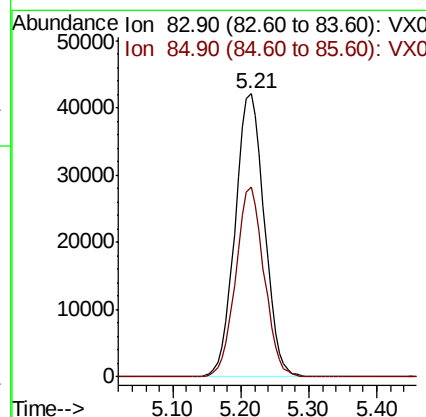
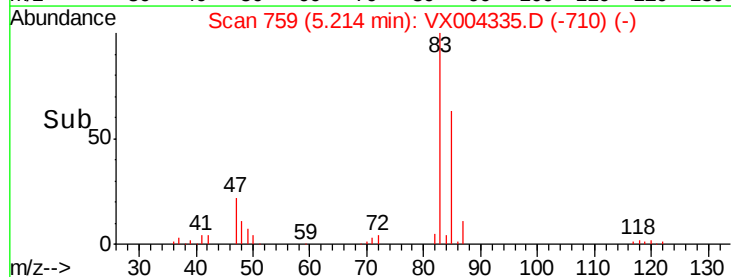
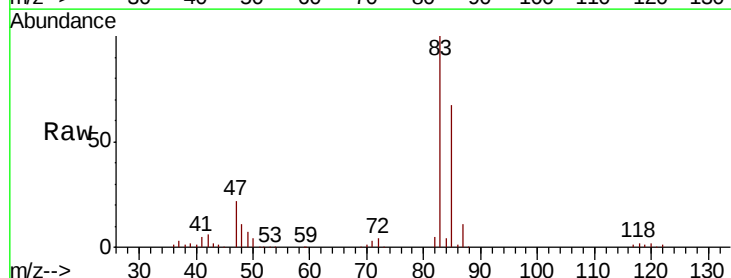
Manual Integrations
APPROVED

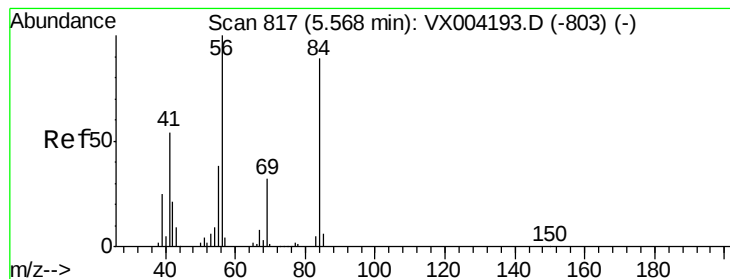
MMDadoda
9/4/2018 12:10:51 PM



#30
Chloroform
Concen: 20.44 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.6	79.0





#31

Cyclohexane

Concen: 18.97 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

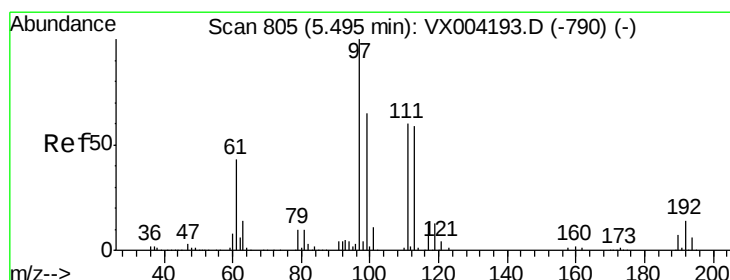
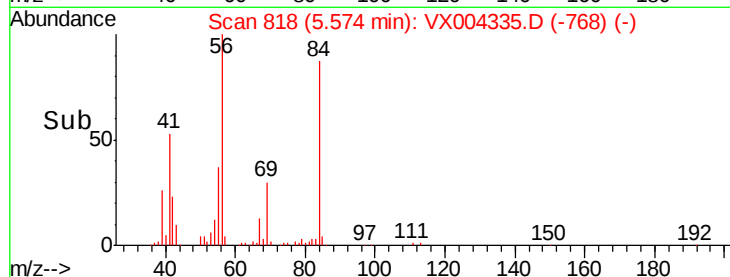
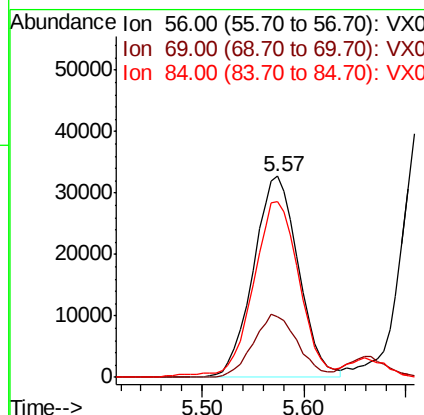
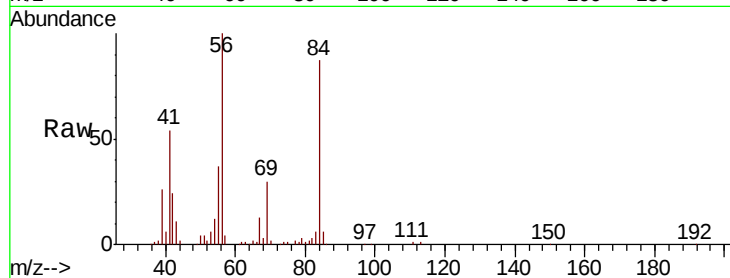
ClientSampled :

VX0831WBSD01

Tot Ion:	56	Resp:	100413
Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.4	38.2
84	85.9	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.72 ug/l

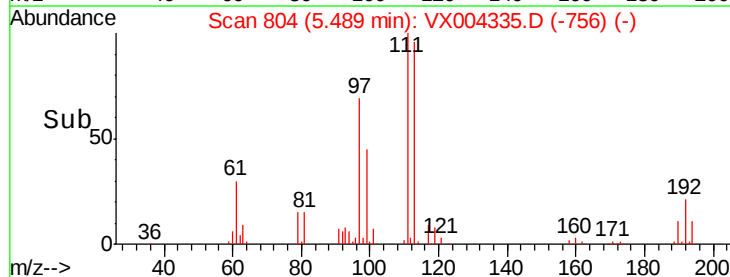
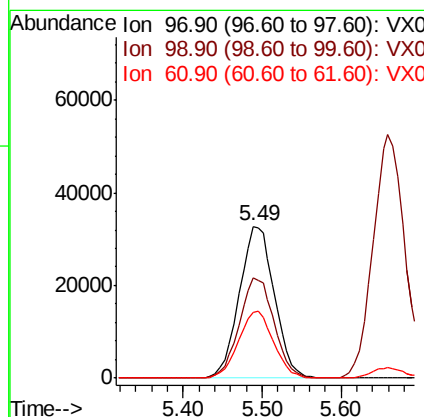
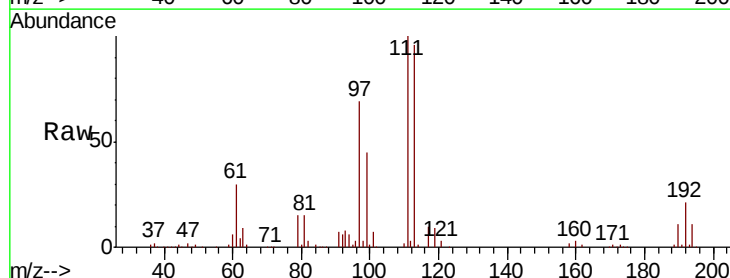
RT: 5.49 min Scan# 804

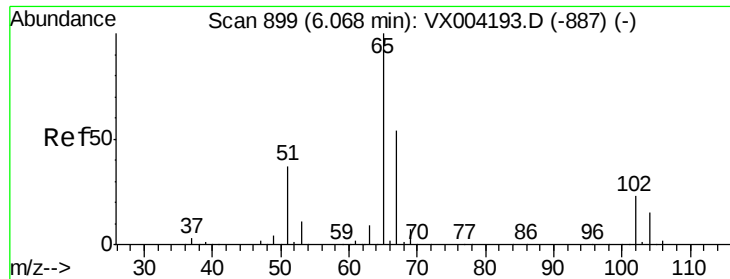
Delta R.T. -0.01 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion:	97	Resp:	101109
Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.0	78.0
61	44.2	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 50.00 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tot Ion: 65 Resp: 188746

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

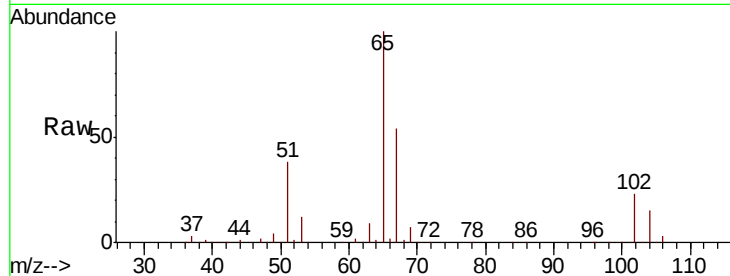
VX0831WBSD01

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

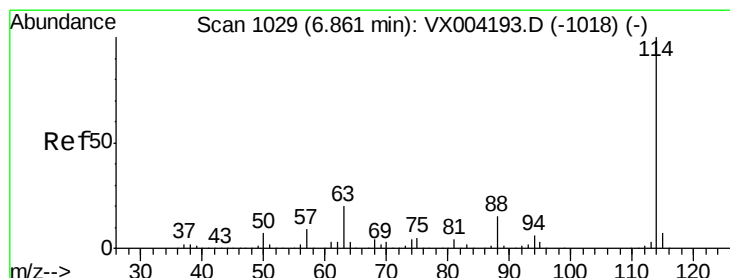
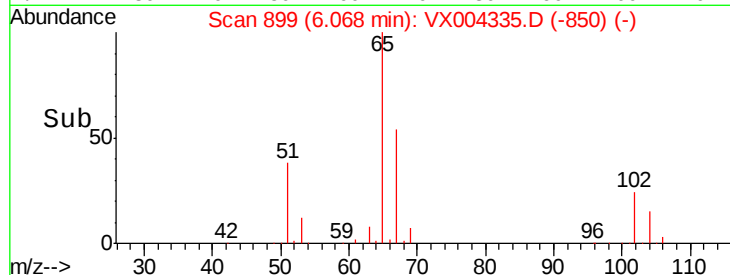
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

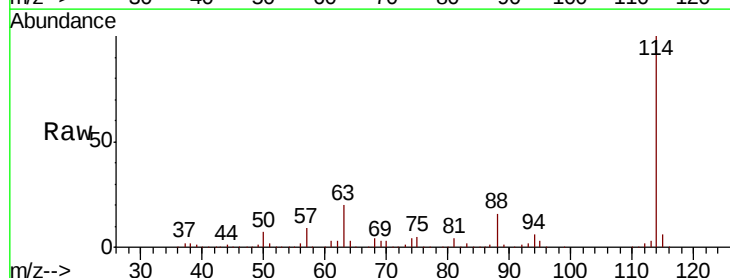
Tgt Ion: 114 Resp: 424591

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

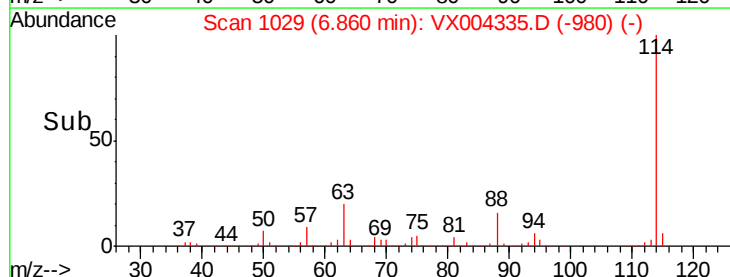
150000

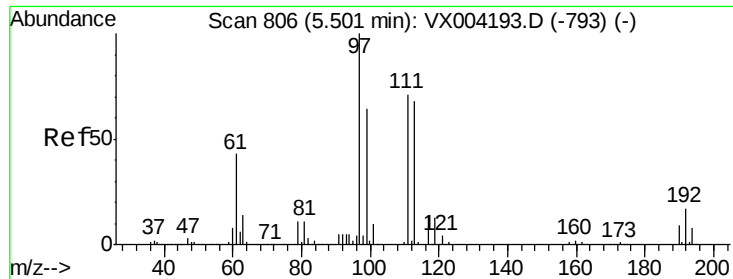
100000

50000

0

Time-->





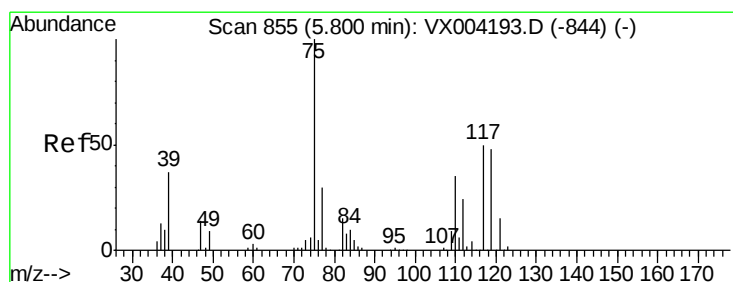
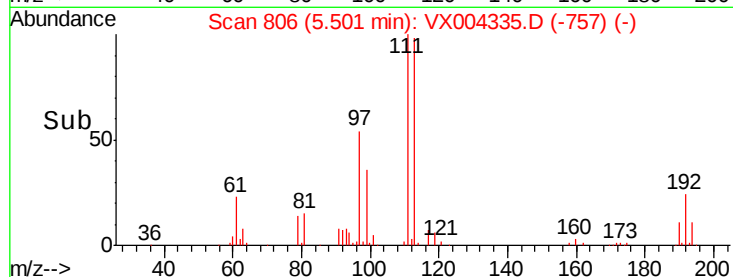
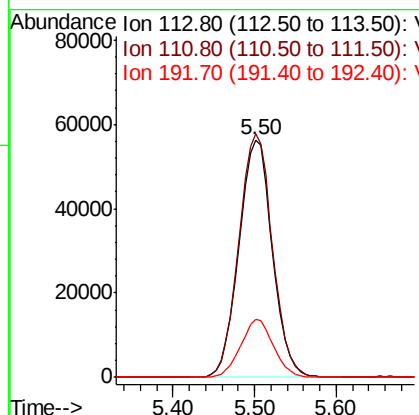
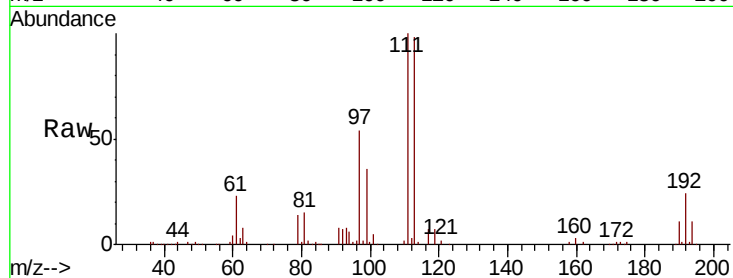
#35
 Dibromofluoromethane
 Concen: 50.61 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159876		
111	103.1	82.4	123.6	
192	24.0	19.4	29.2	

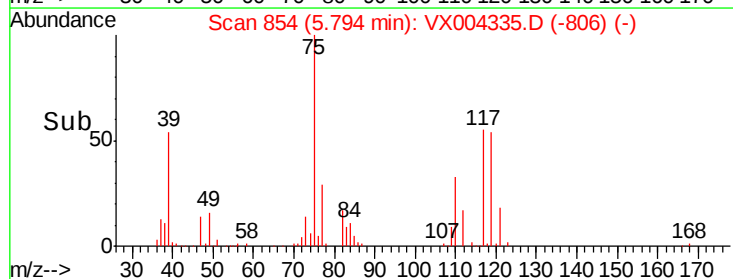
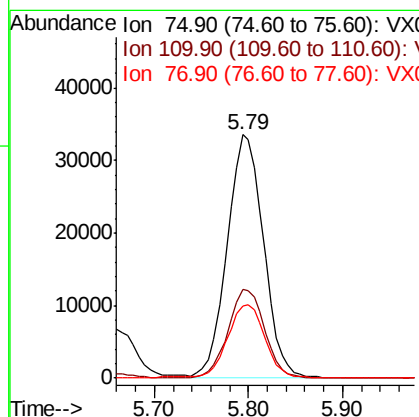
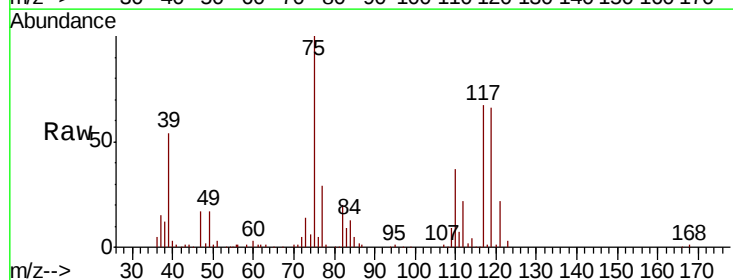
Manual Integrations
 APPROVED

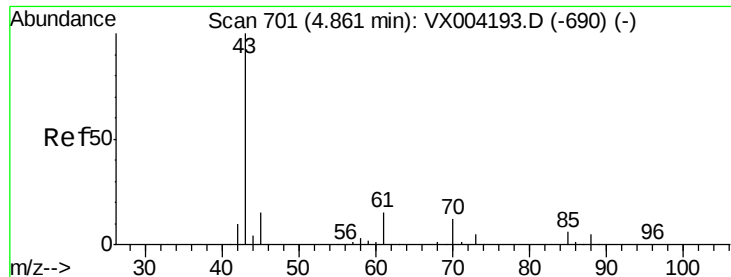
MMDadoda
 9/4/2018 12:10:51 PM



#36
 1,1-Dichloropropene
 Concen: 18.74 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89451		
110	37.0	18.0	54.0	
77	31.2	24.6	36.8	





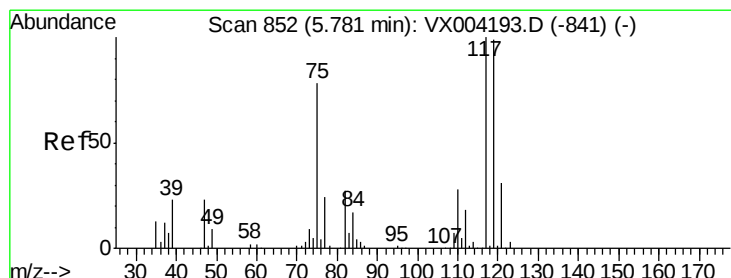
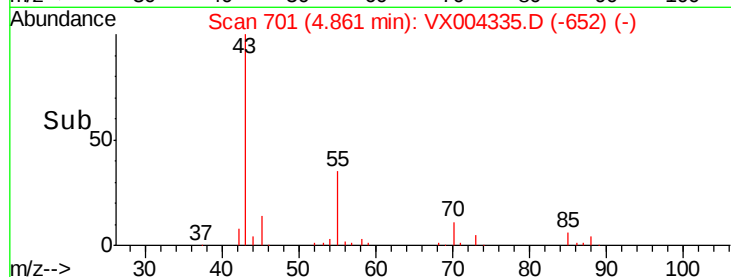
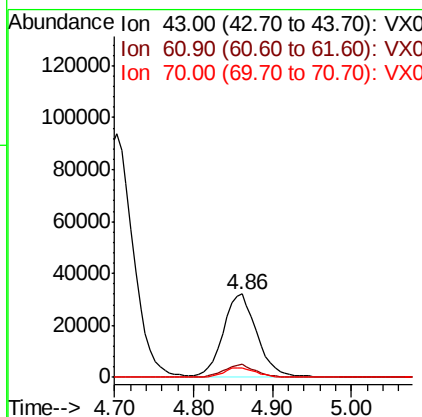
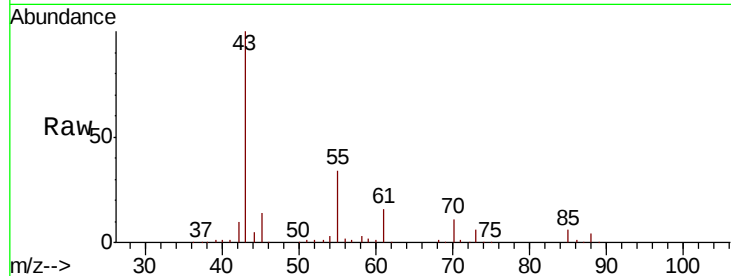
#37
Ethyl Acetate
Concen: 20.05 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.3	9.0	13.6

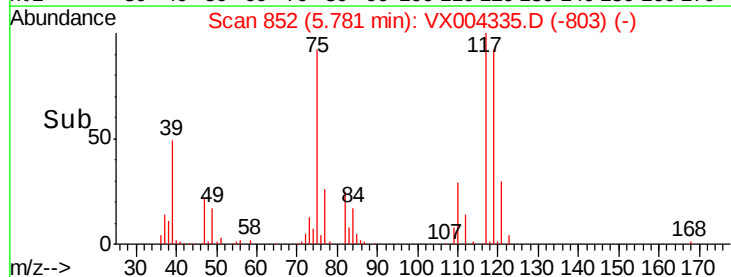
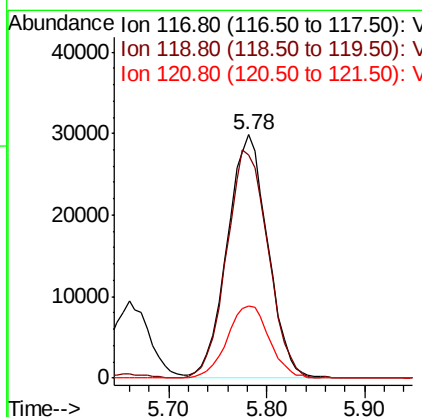
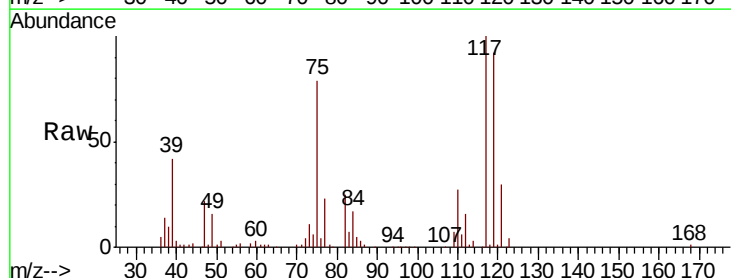
Manual Integrations
APPROVED

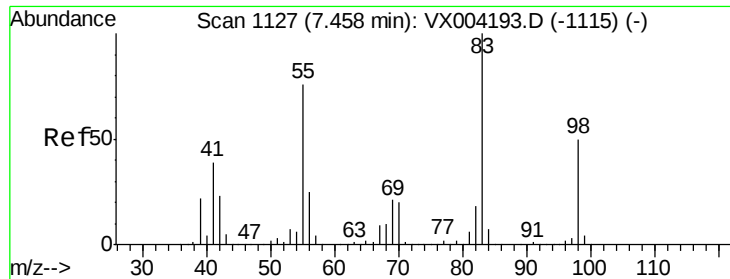
MMDadoda
9/4/2018 12:10:51 PM



#38
Carbon Tetrachloride
Concen: 19.09 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	78.8	118.2
121	29.8	24.9	37.3





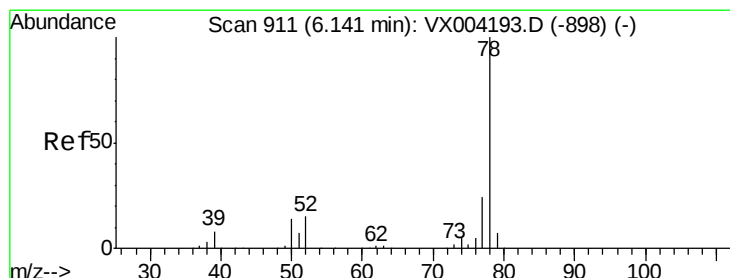
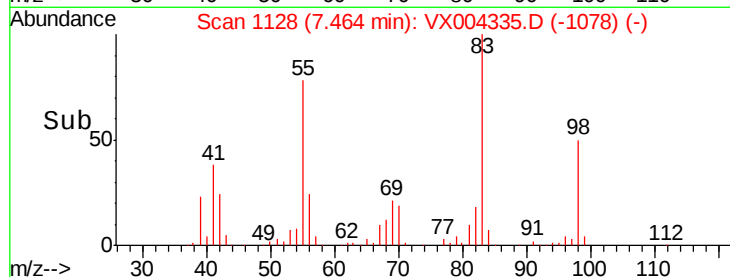
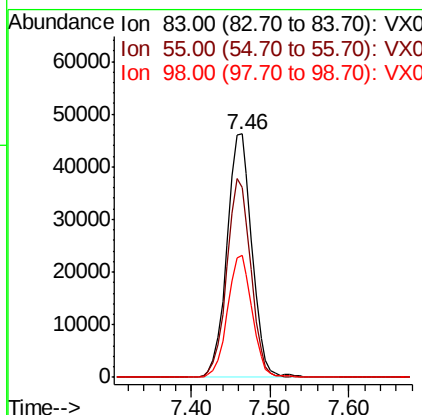
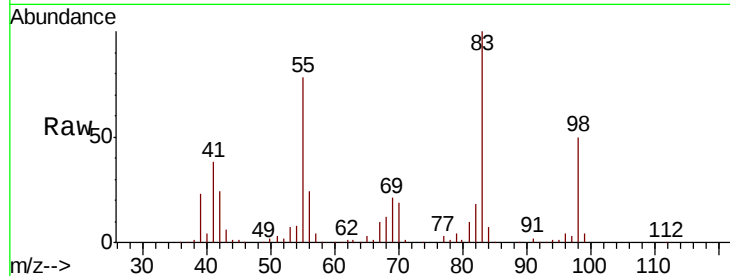
#39
Methvlcvclohexane
Concen: 18.68 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.7	61.0	91.4	
98	50.3	39.6	59.4	

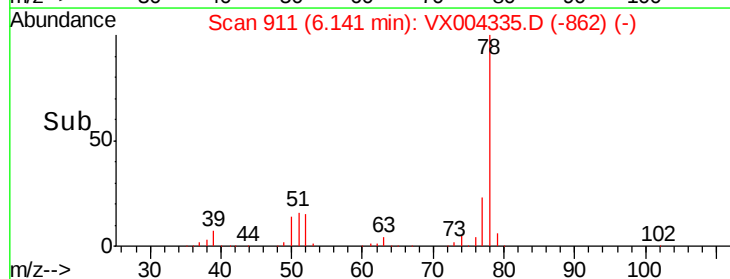
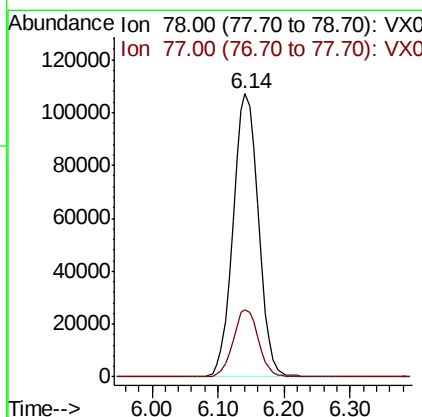
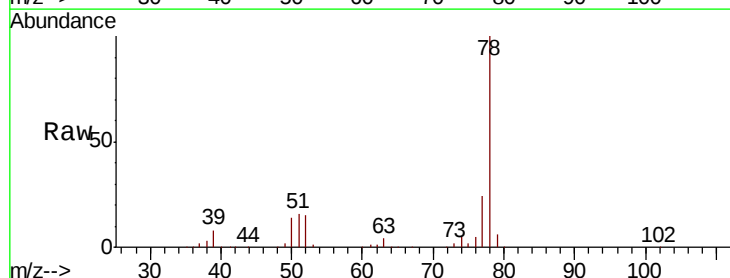
Manual Integrations
APPROVED

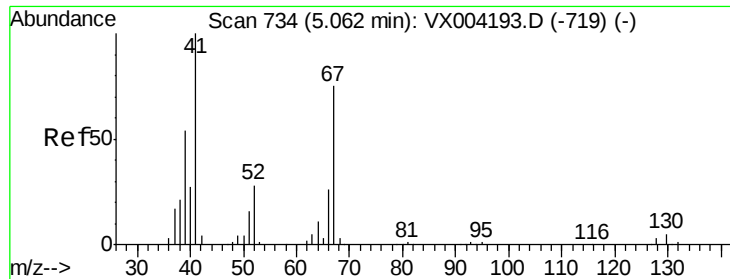
MMDadoda
9/4/2018 12:10:51 PM



#40
Benzene
Concen: 19.94 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.4	





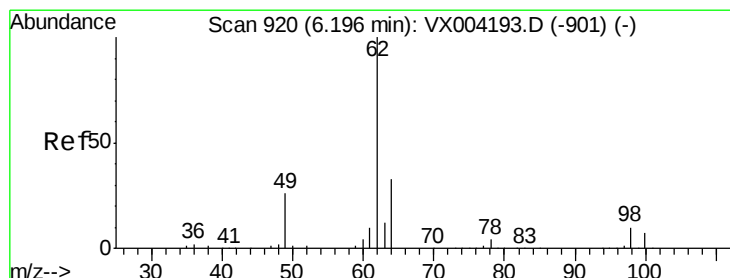
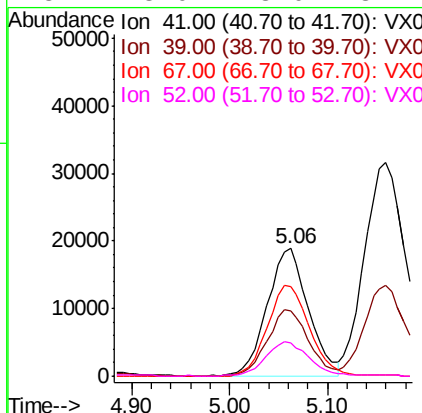
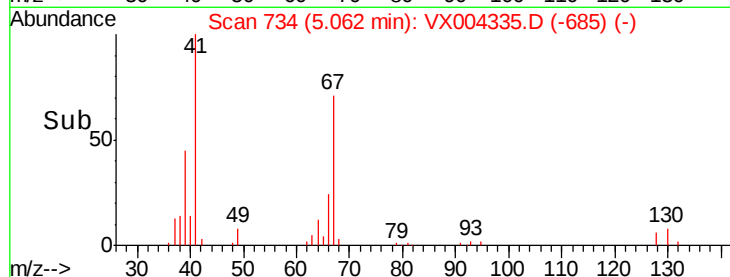
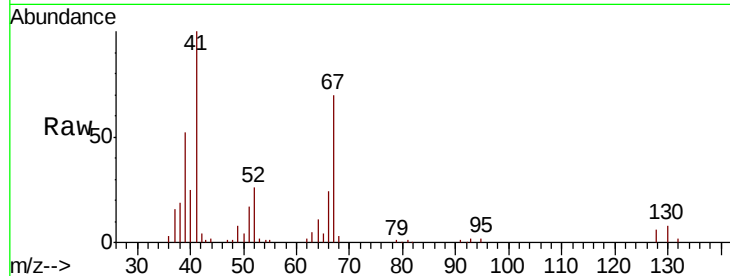
#41
Methacrylonitrile
Concen: 20.23 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.4	63.6
67	74.0	59.2	88.8
52	28.0	23.0	34.4

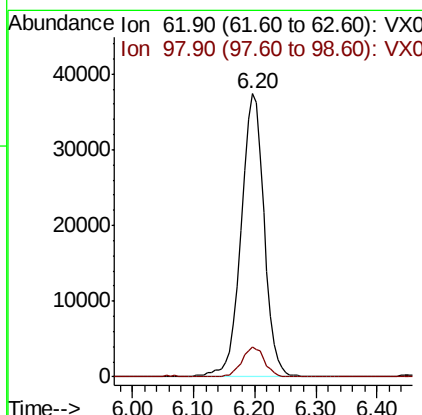
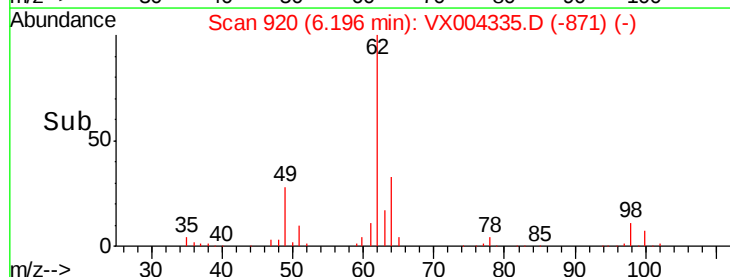
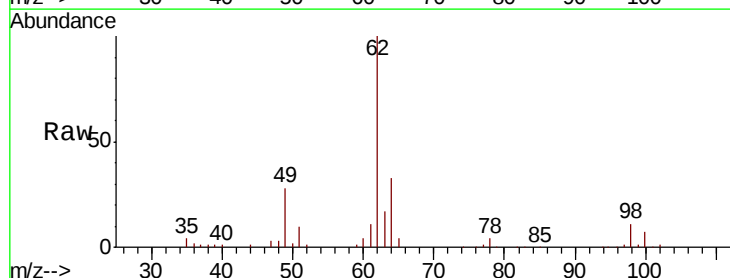
Manual Integrations
APPROVED

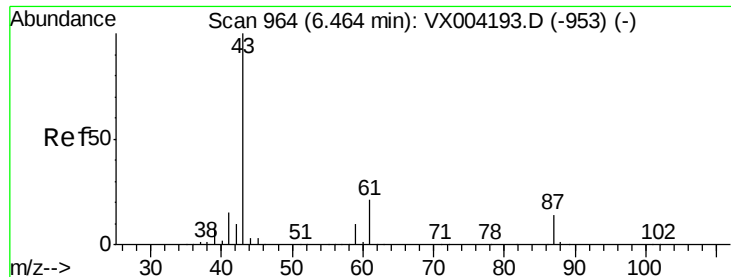
MMDadoda
9/4/2018 12:10:51 PM



#42
1,2-Dichloroethane
Concen: 20.01 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

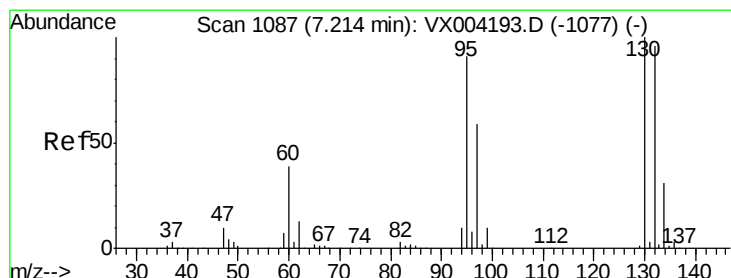
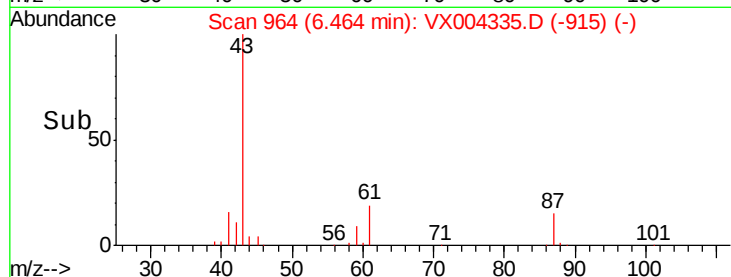
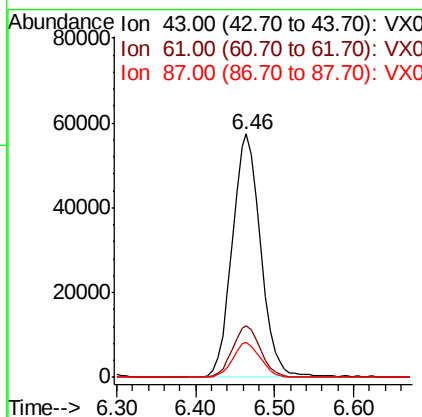
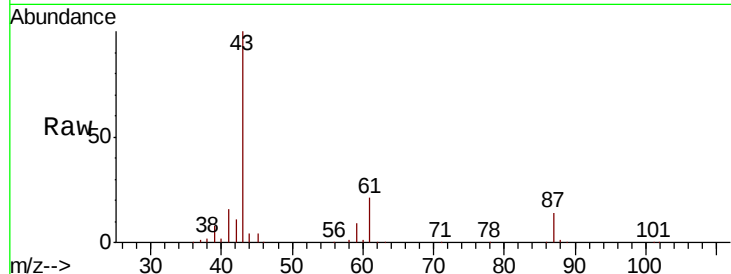
Isopropyl Acetate
 Concen: 19.83 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Tot Ion	43	Resp	143077
Ion Ratio	100	Lower	Upper
43	100		
61	21.2	17.0	25.4
87	14.1	11.4	17.2

Manual Integrations
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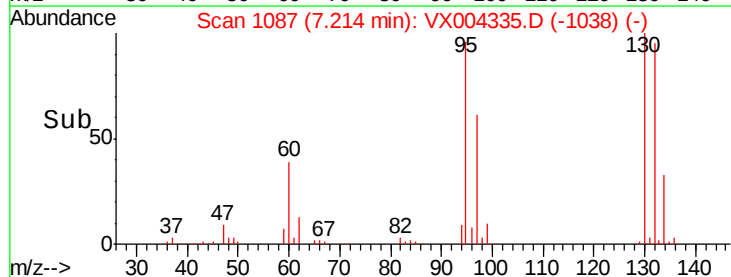
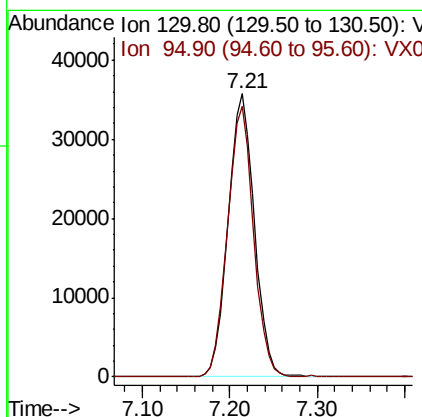
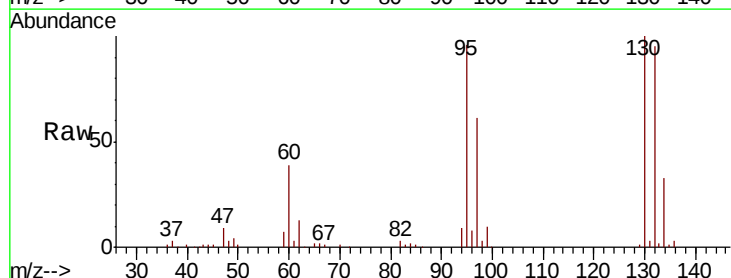
MMDadoda
 9/4/2018 12:10:51 PM

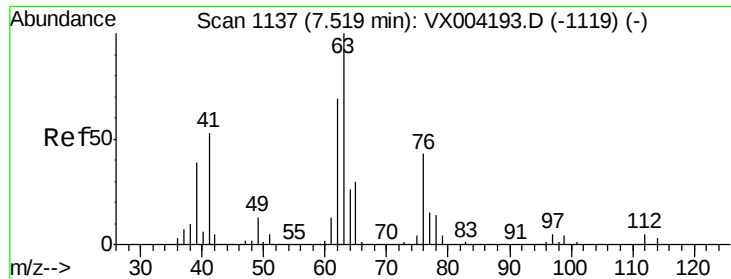


#44

Trichloroethene
 Concen: 18.95 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	130	Resp	74799
Ion Ratio	100	Lower	Upper
130	100		
95	95.8	0.0	181.6





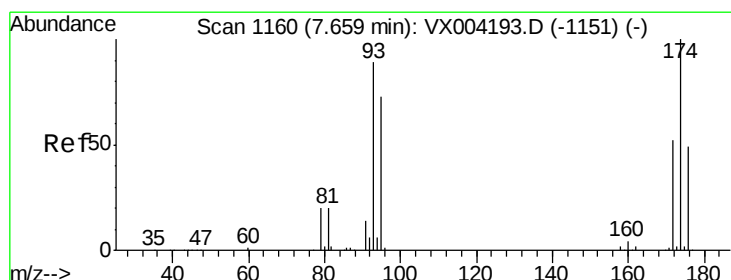
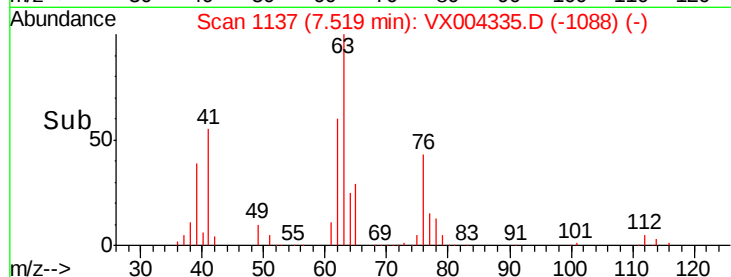
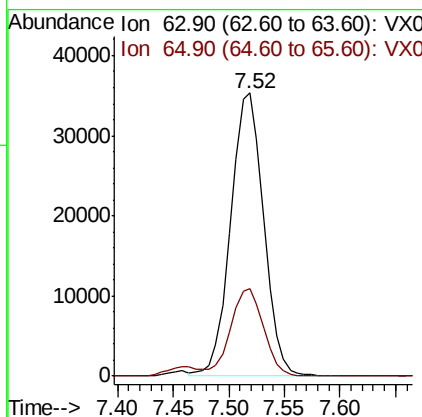
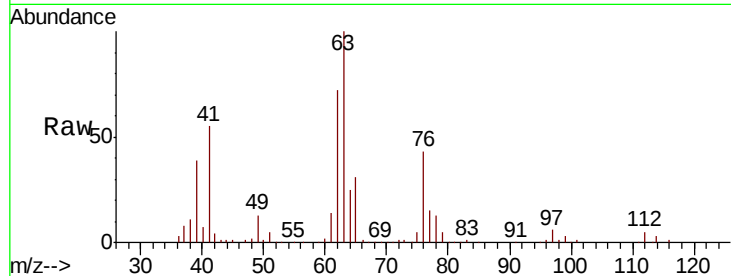
#45
 1,2-Dichloropropane
 Concen: 20.22 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Tot Ion: 63 Resp: 72165
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5

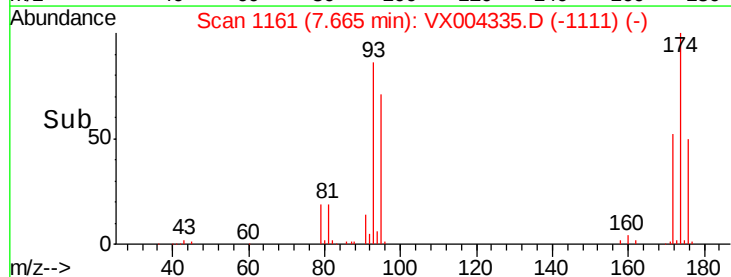
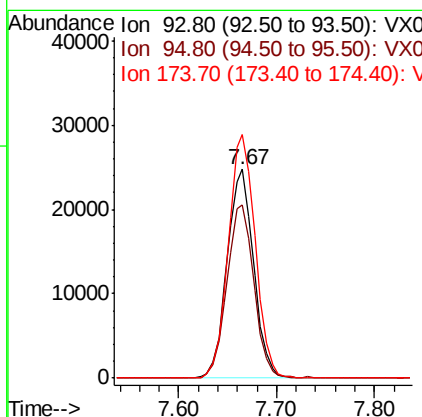
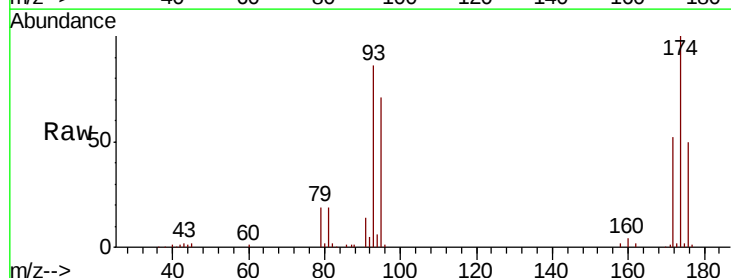
Manual Integrations
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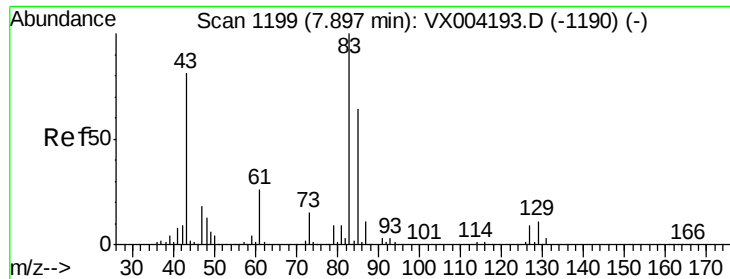
MMDadoda
 9/4/2018 12:10:51 PM



#46
 Dibromomethane
 Concen: 19.60 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion: 93 Resp: 46582
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.5 98.3
 174 118.1 94.2 141.4





#47

Bromodichloromethane

Concen: 19.72 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

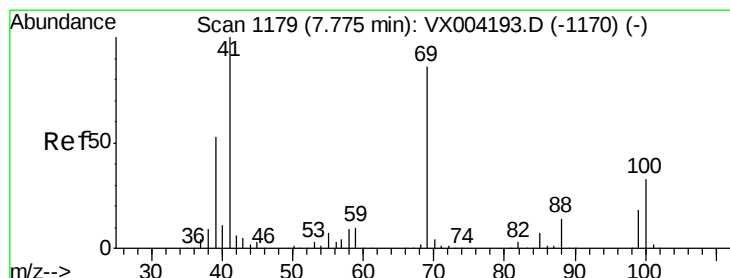
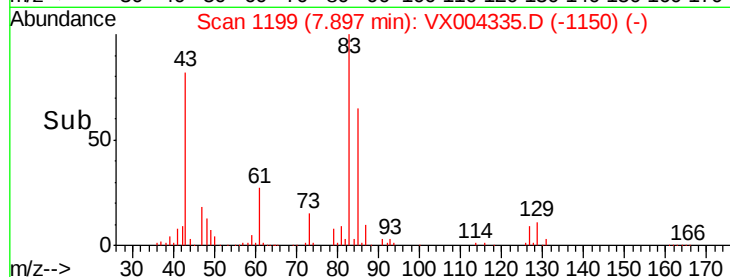
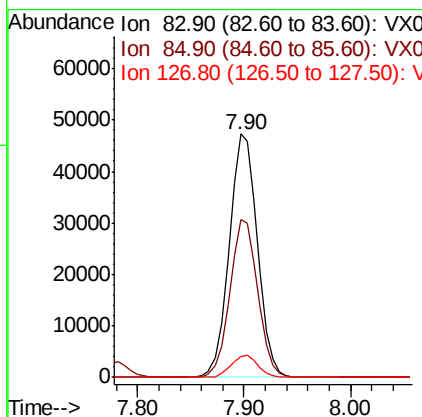
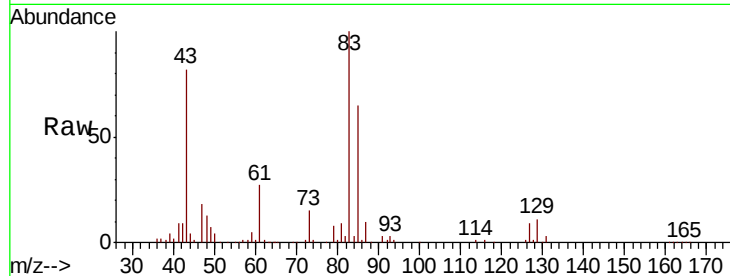
ClientSampleId :

VX0831WBSD01

Tot Ion:	83	Resp:	87237
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:51 PM



#48

Methyl methacrylate

Concen: 19.91 ug/l

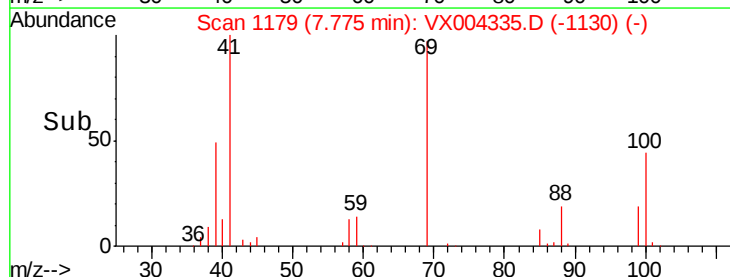
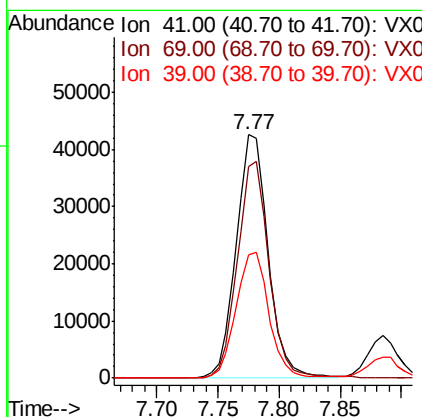
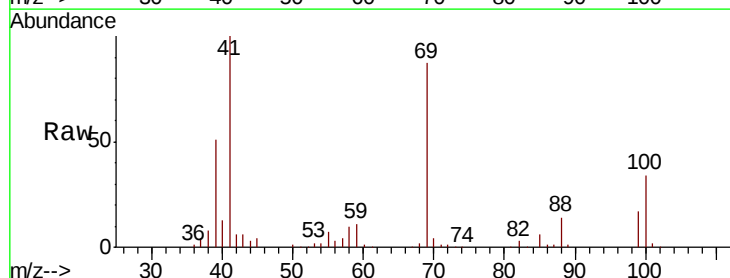
RT: 7.77 min Scan# 1179

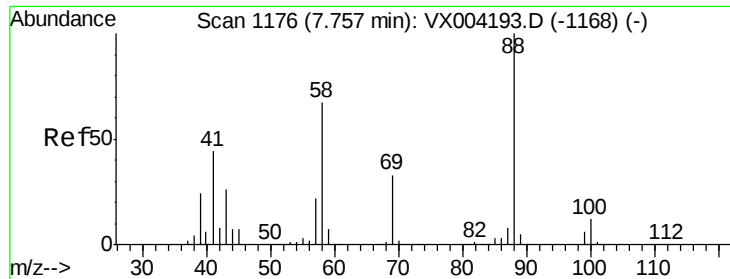
Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion:	41	Resp:	76845
Ion	Ratio	Lower	Upper
41	100		
69	88.3	70.2	105.4
39	53.5	42.7	64.1





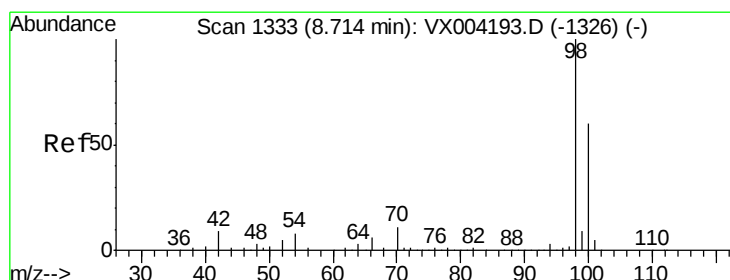
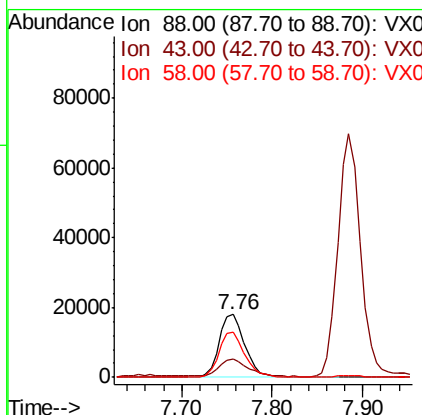
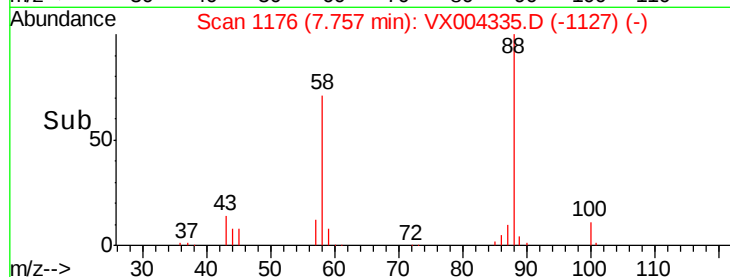
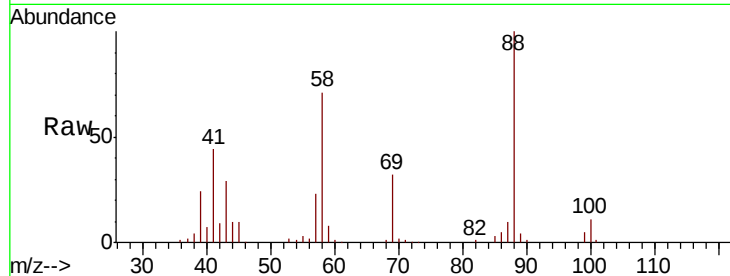
#49
1,4-Dioxane
Concen: 408.79 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.7	37.1
58	72.1	55.3	82.9

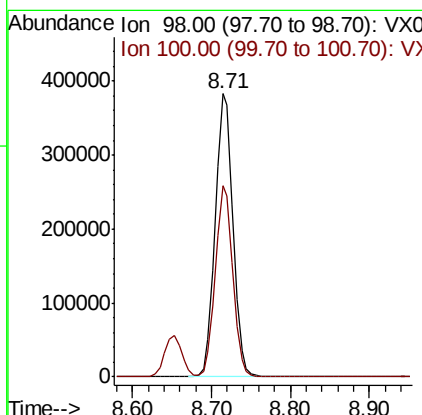
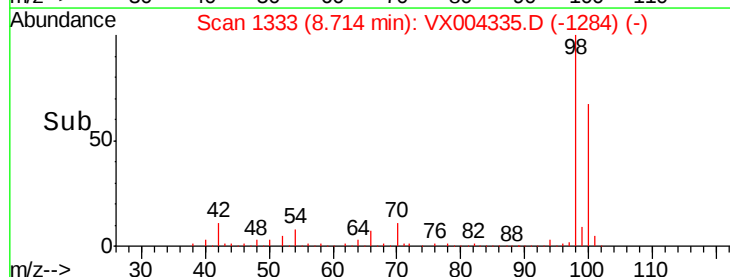
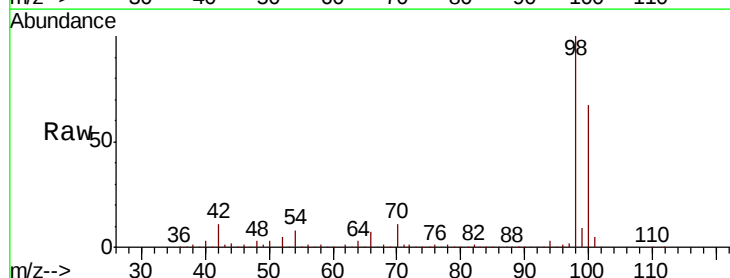
Manual Integrations
APPROVED

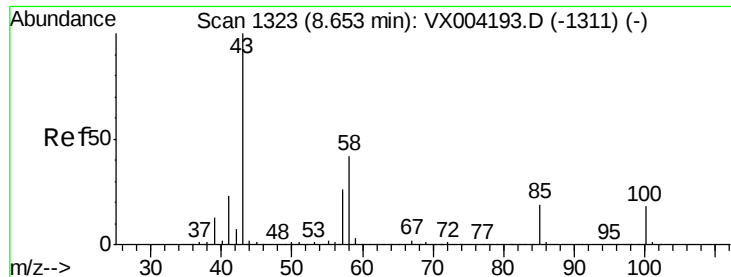
MMDadoda
9/4/2018 12:10:51 PM



#50
Toluene-d8
Concen: 50.21 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 97.36 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampled :

VX0831WBSD01

Tot Ion: 43 Resp: 510280

Ion Ratio Lower Upper

43 100

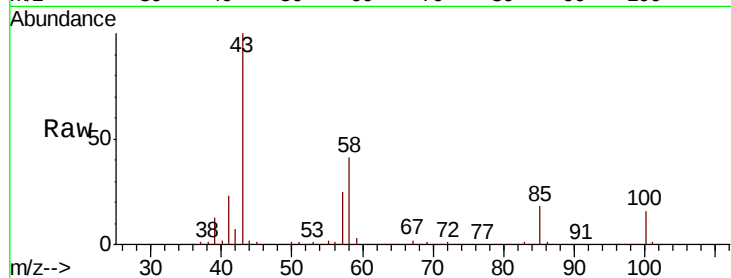
58 41.2 33.1 49.7

Manual Integrations

APPROVED

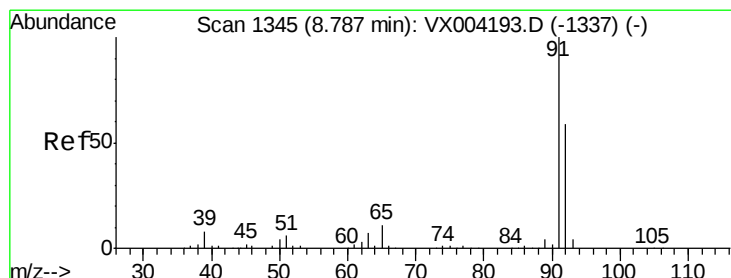
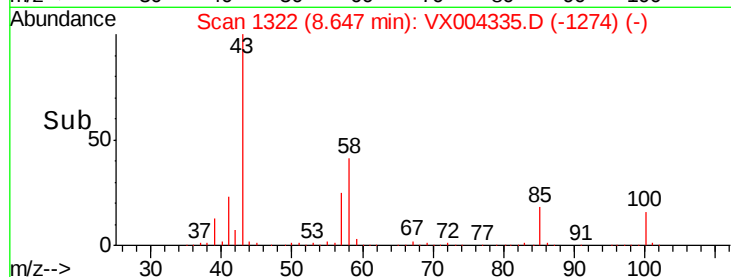
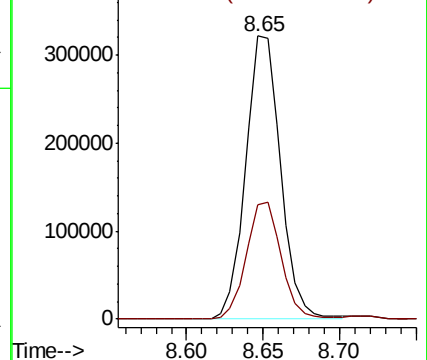
MMDadoda

9/4/2018 12:10:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.22 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004335.D

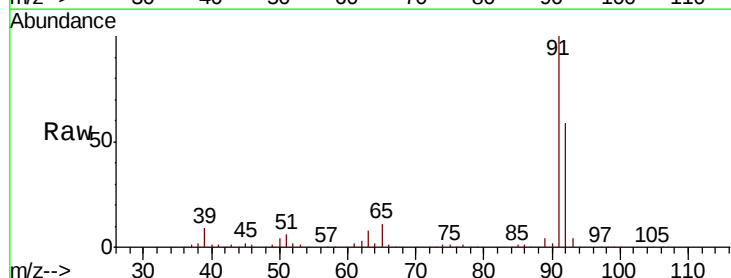
Acq: 31 Aug 2018 19:13

Tgt Ion: 92 Resp: 180552

Ion Ratio Lower Upper

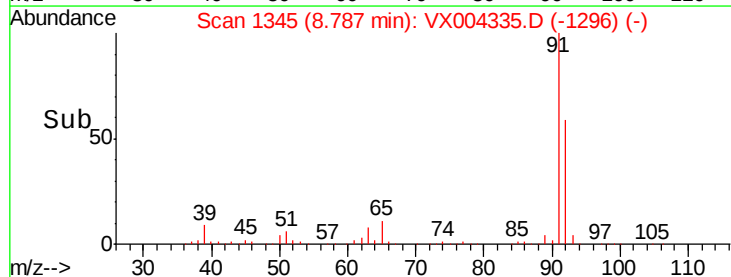
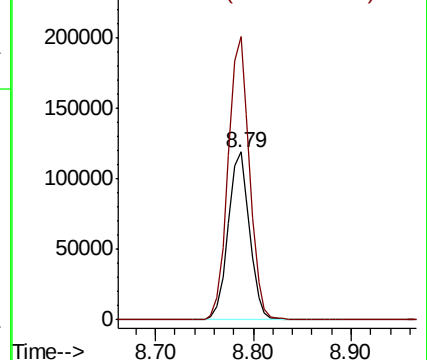
92 100

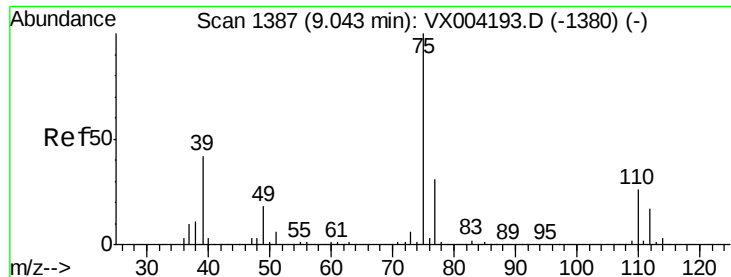
91 168.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





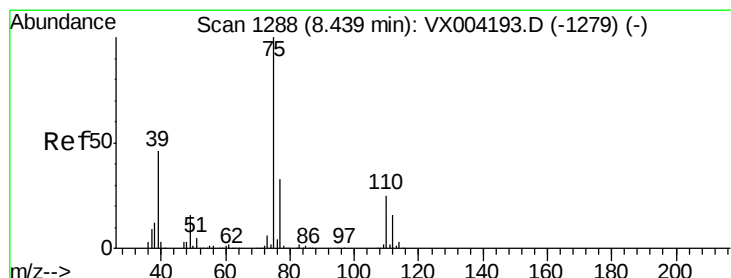
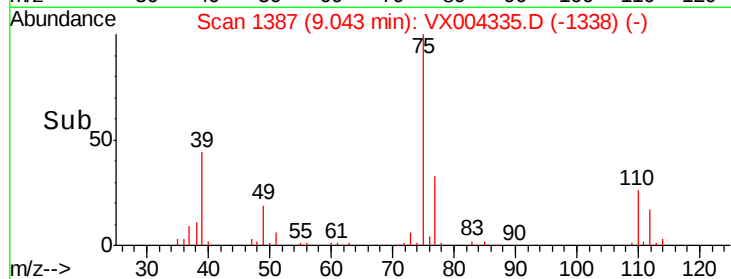
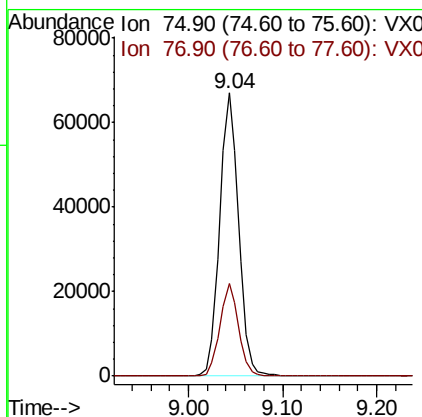
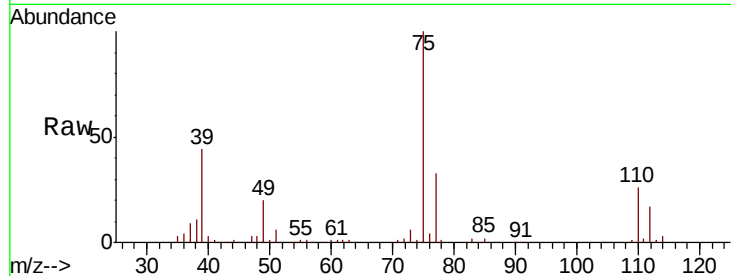
#53
t-1,3-Dichloropropene
Concen: 19.15 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampled :
VX0831WBSD01

Tot Ion: 75 Resp: 93527
Ion Ratio Lower Upper
75 100
77 32.8 24.6 37.0

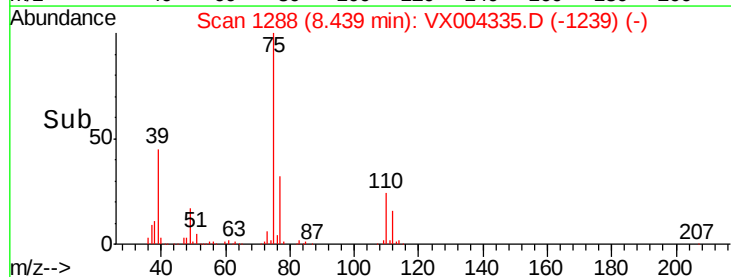
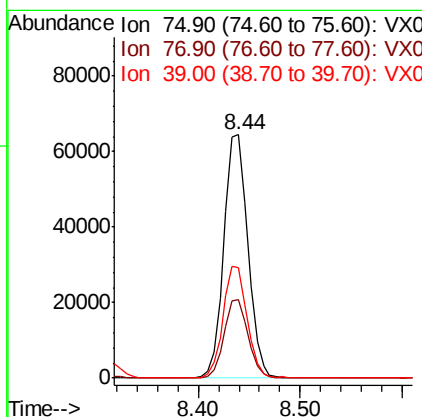
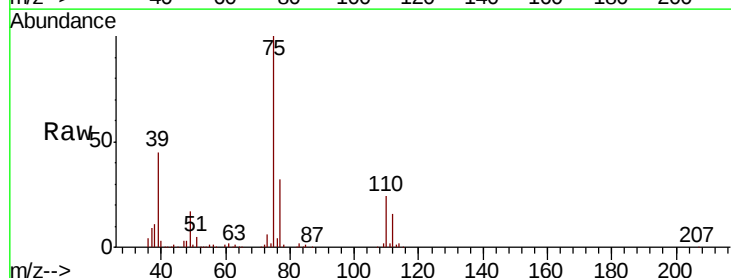
Manual Integrations
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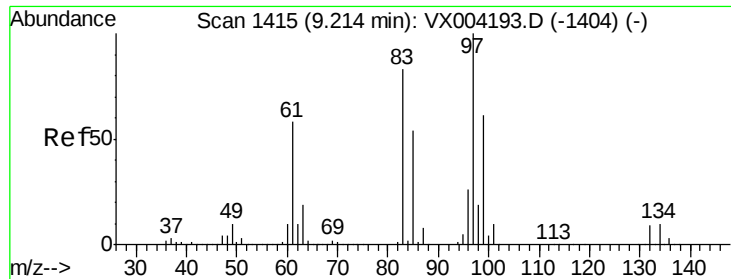
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.85 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion: 75 Resp: 105612
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
39 45.3 36.4 54.6





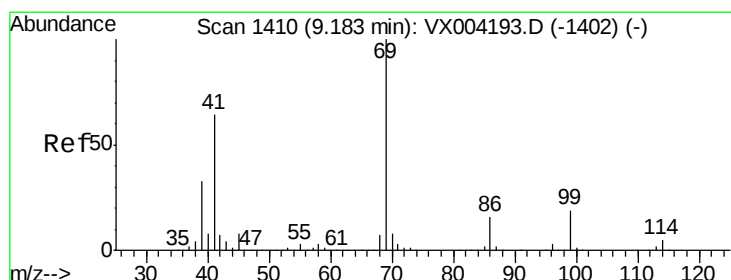
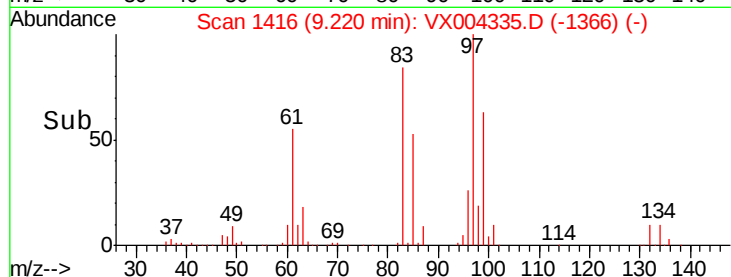
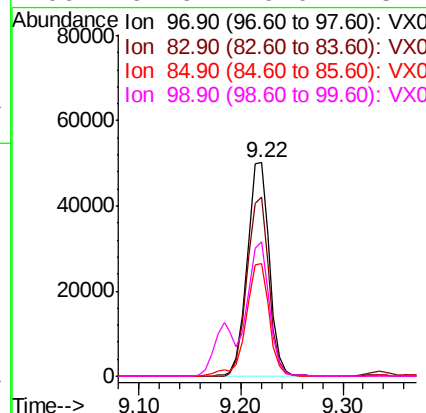
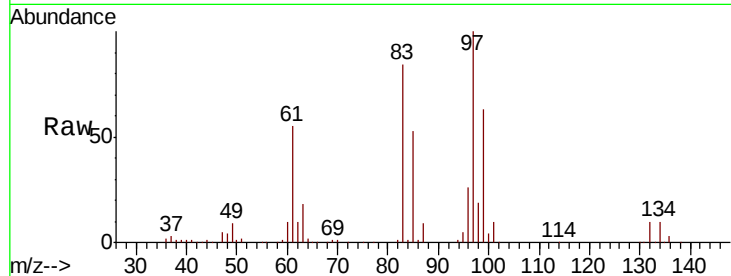
#55
 1,1,2-Trichloroethane
 Concen: 20.88 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Tot Ion	97	Resp	75261
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.4	99.6
85	53.0	43.3	64.9
99	62.6	49.0	73.4

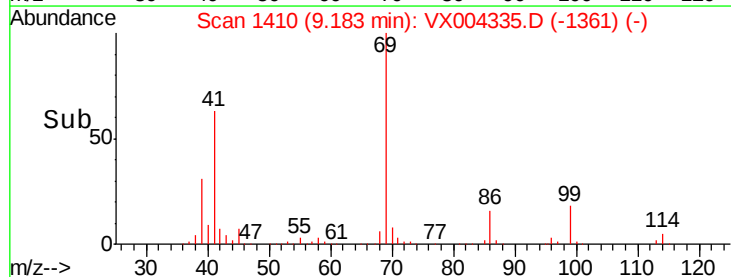
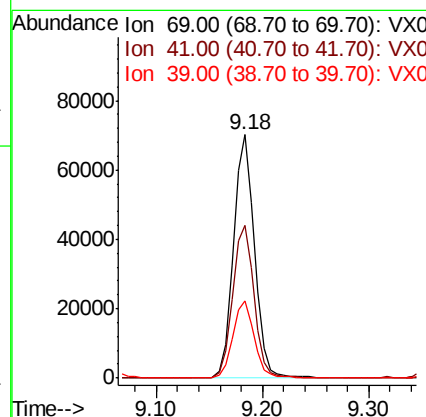
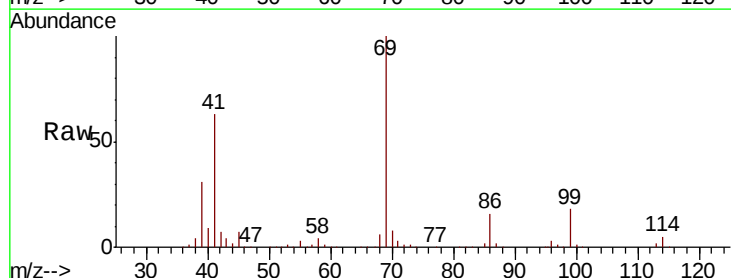
Manual Integrations
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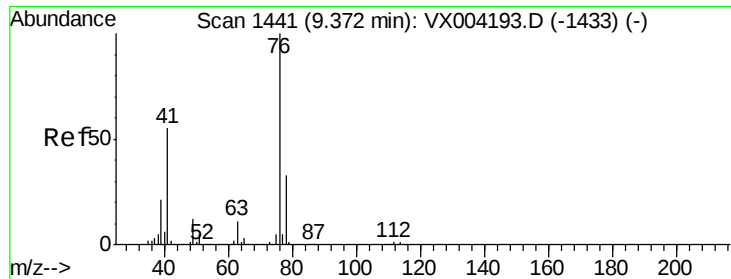
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 9/4/2018 12:10:51 PM



#56
 Ethyl methacrylate
 Concen: 19.82 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	69	Resp	97259
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.0	76.4
39	32.1	26.1	39.1





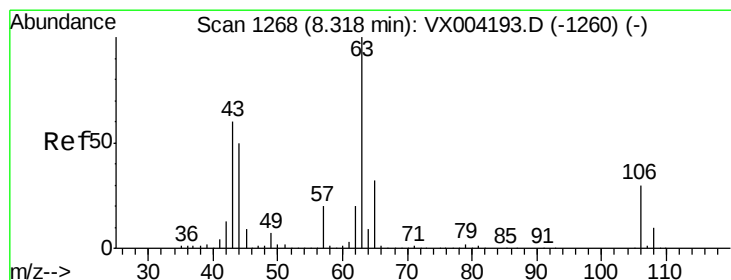
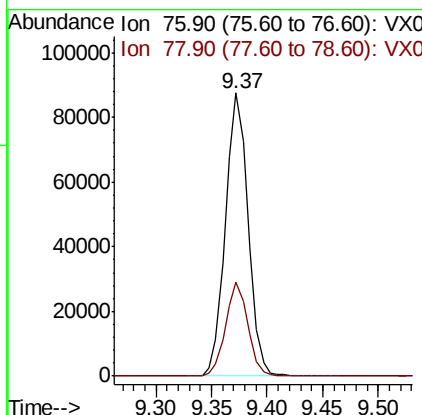
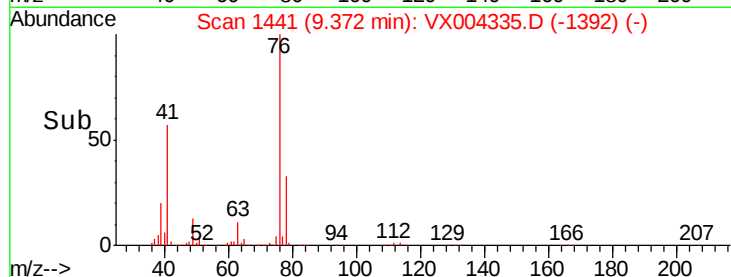
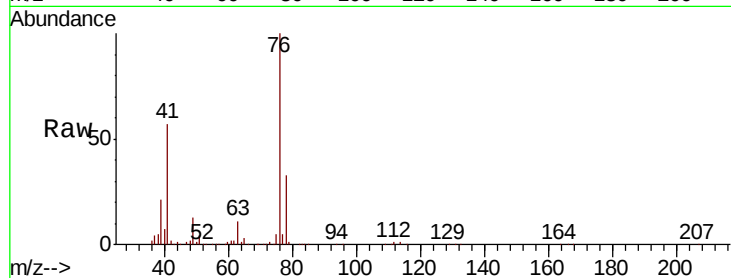
#57
 1,3-Dichloropropane
 Concen: 20.36 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

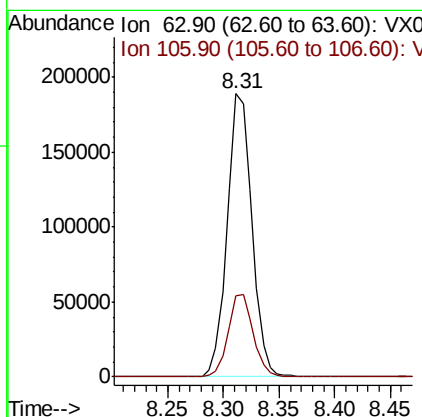
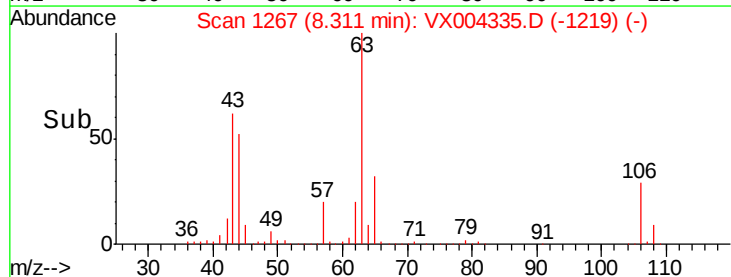
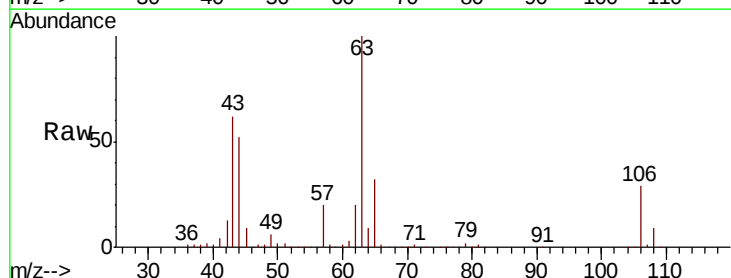
Manual Integrations
 APPROVED

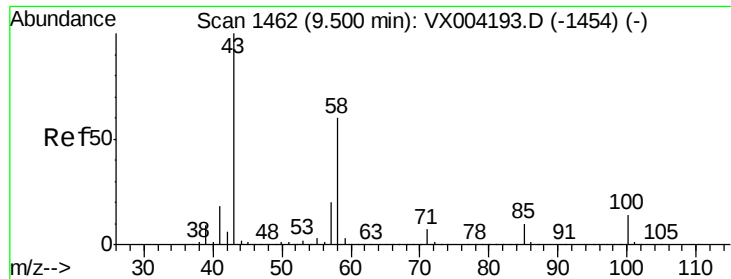
MMDadoda
 9/4/2018 12:10:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.89 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.9	35.9





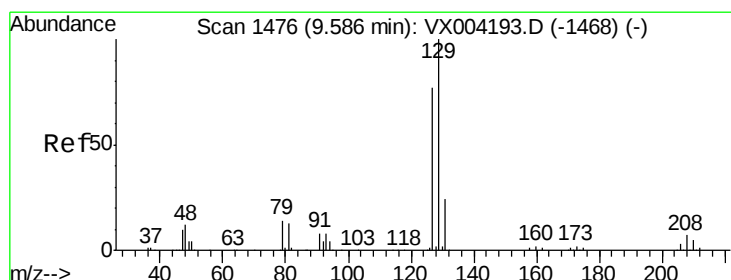
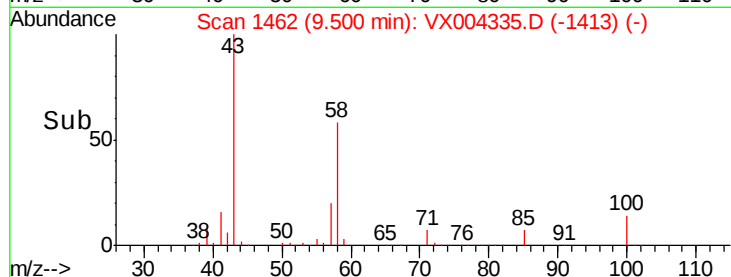
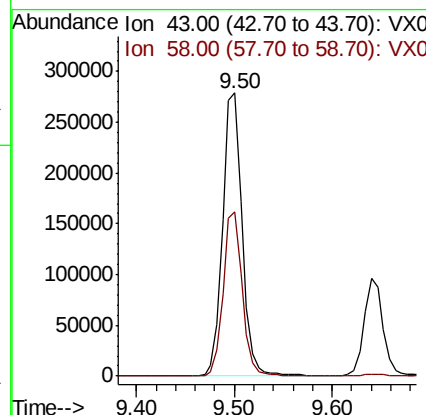
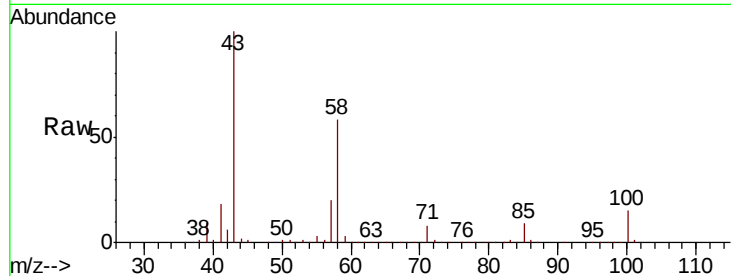
#59
2-Hexanone
Concen: 96.75 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion: 43 Resp: 386857
Ion Ratio Lower Upper
43 100
58 56.7 29.0 87.0

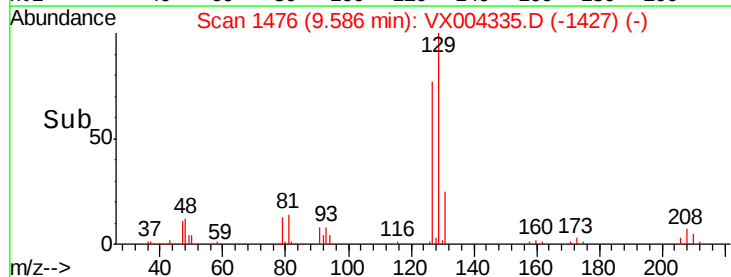
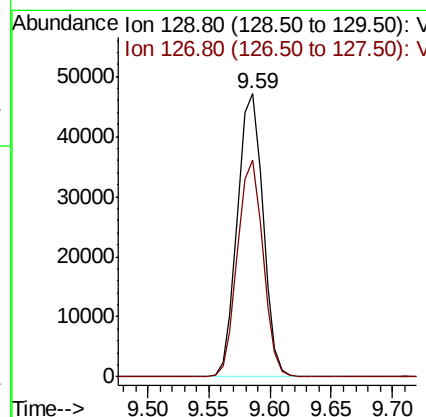
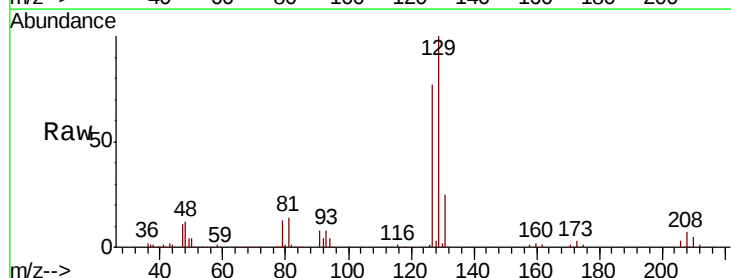
Manual Integrations
APPROVED

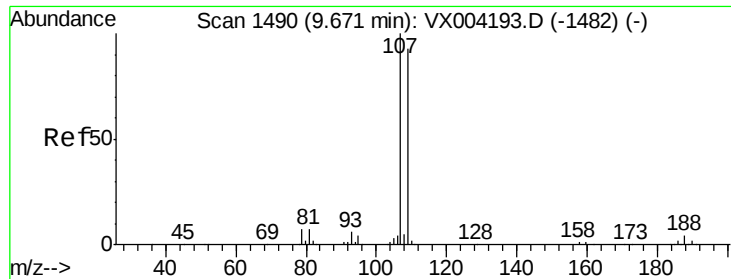
MMDadoda
9/4/2018 12:10:51 PM



#60
Dibromochloromethane
Concen: 19.49 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion: 129 Resp: 68431
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.04 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBSD01

Tot Ion:107 Resp: 74742

Ion Ratio Lower Upper

107 100

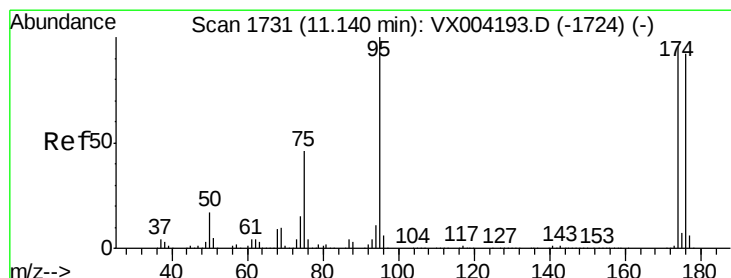
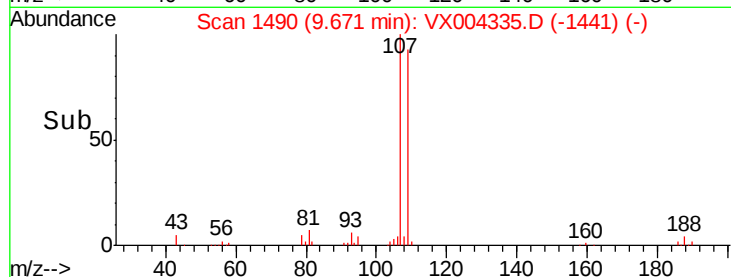
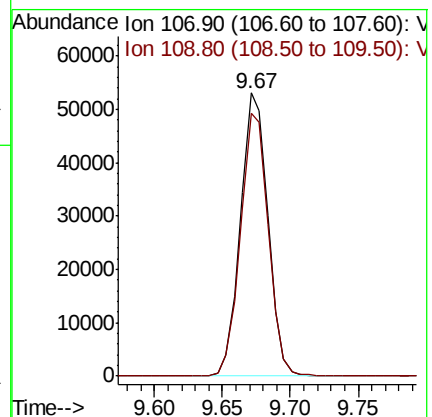
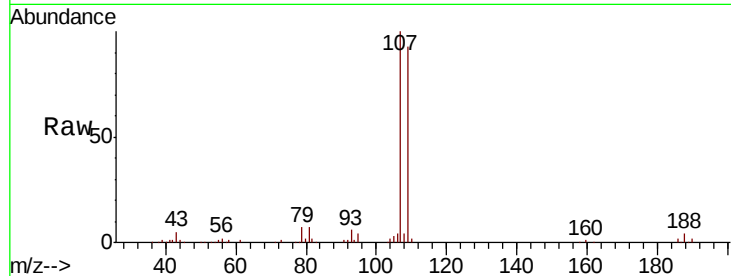
109 94.5 76.0 114.0

Manual Integrations

APPROVED

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#62

4-Bromofluorobenzene

Concen: 50.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

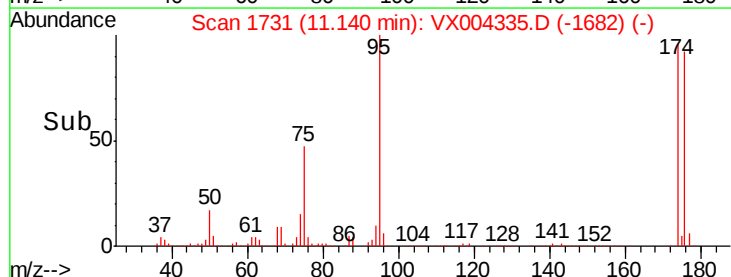
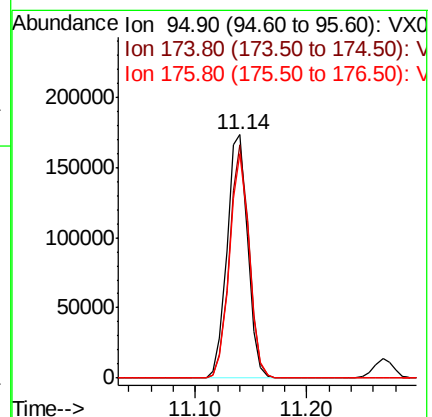
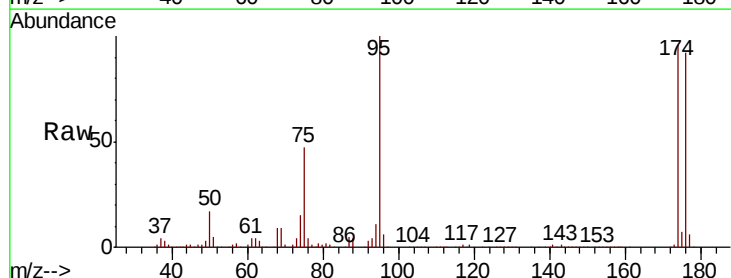
Tgt Ion: 95 Resp: 222641

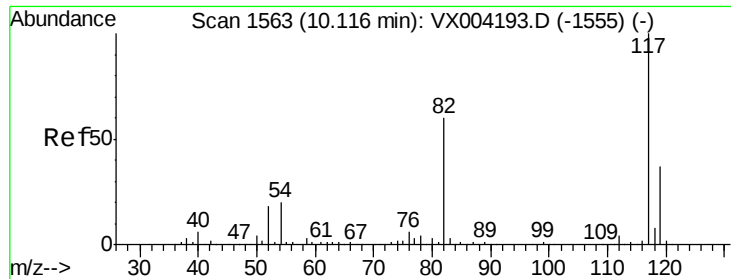
Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

176 88.2 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: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

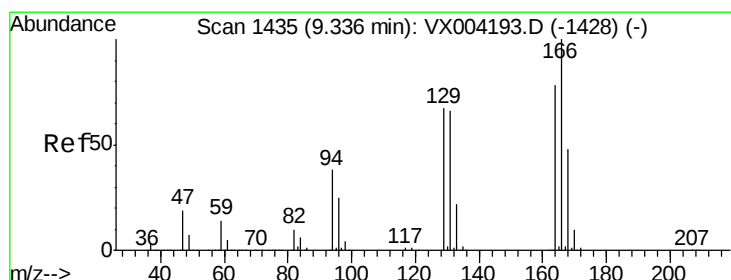
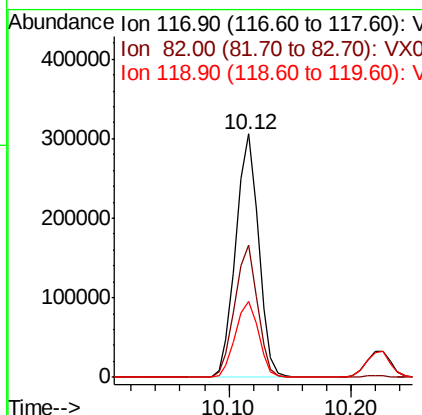
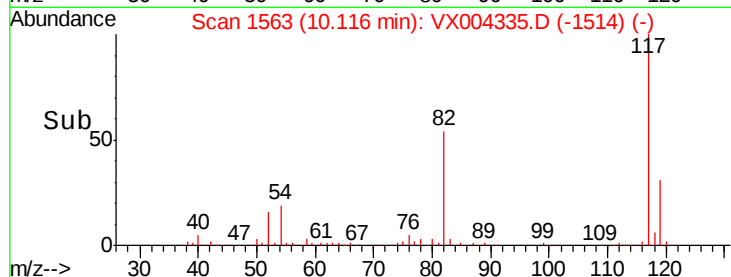
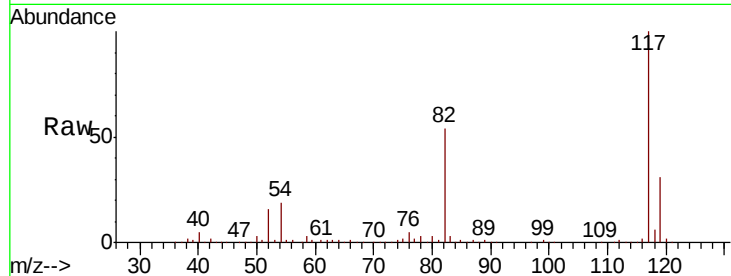
ClientSampled :

VX0831WBSD01

Tot Ion:	117	Resp:	393931
Ion Ratio	Lower	Upper	
117	100		
82	54.1	47.8	71.6
119	31.1	29.3	43.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.83 ug/l

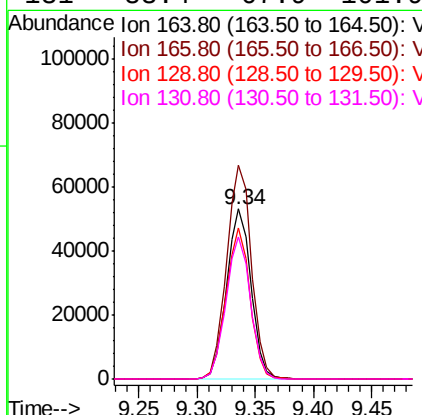
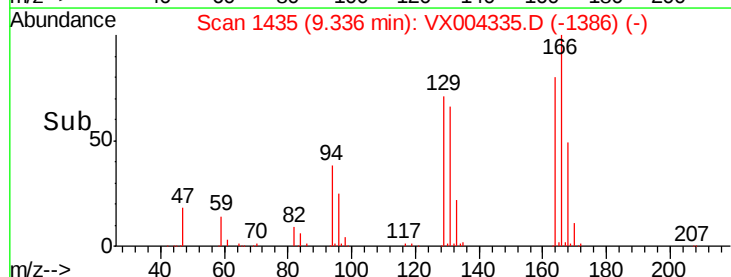
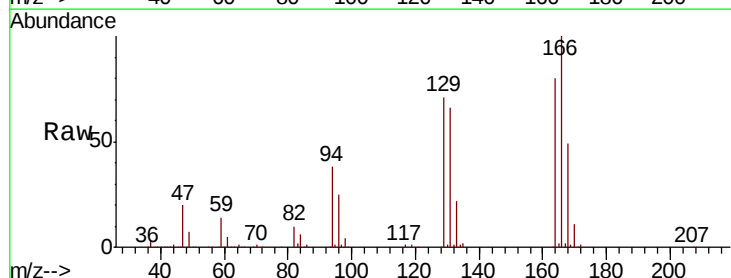
RT: 9.34 min Scan# 1435

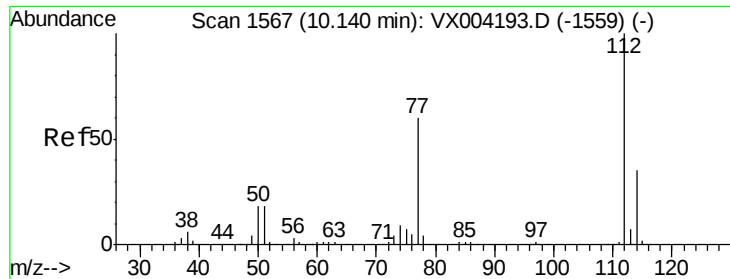
Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion:	164	Resp:	77173
Ion Ratio	Lower	Upper	
164	100		
166	125.5	102.8	154.2
129	89.0	69.4	104.0
131	83.4	67.9	101.9





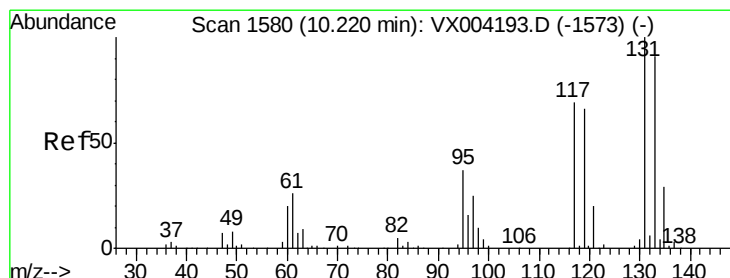
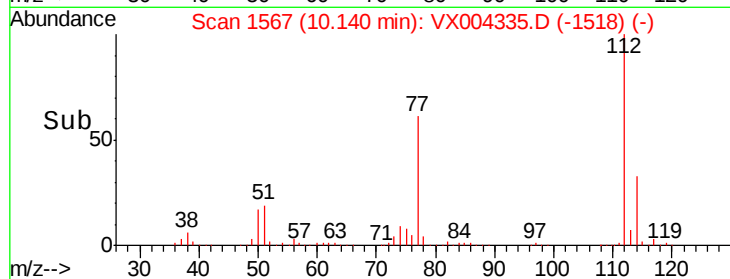
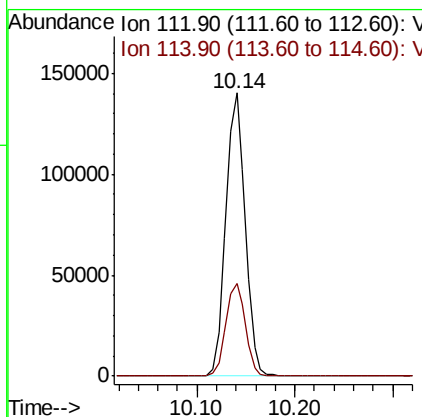
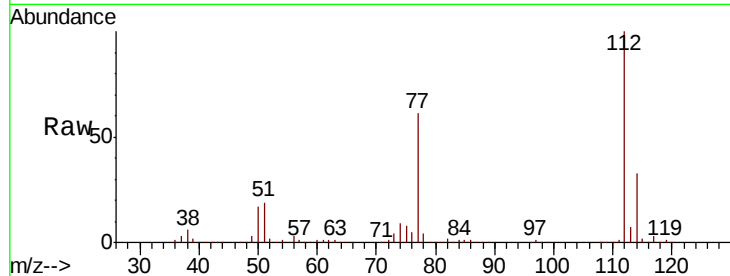
#65
Chlorobenzene
Concen: 19.49 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion:112 Resp: 192666
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

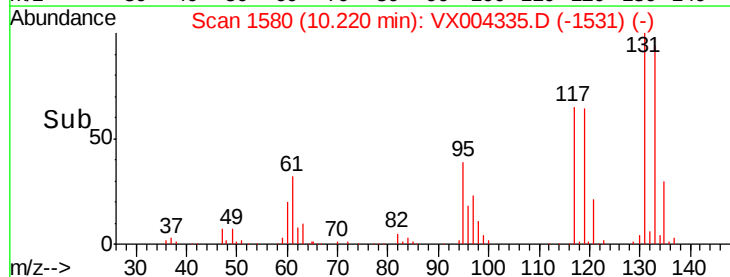
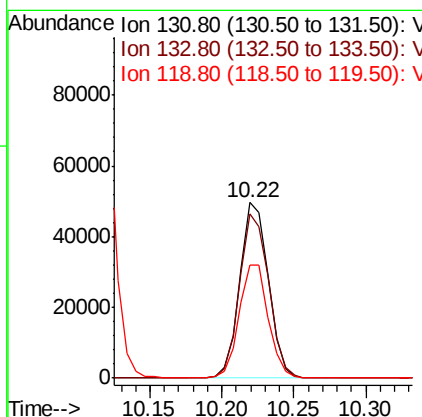
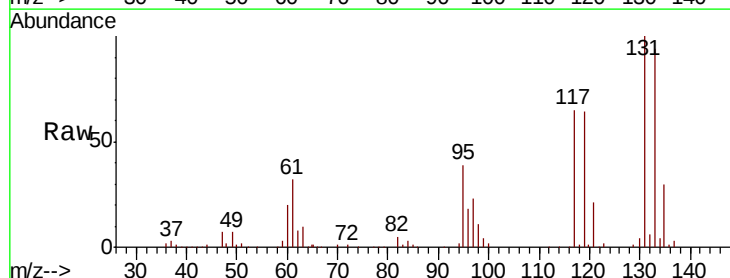
Manual Integrations
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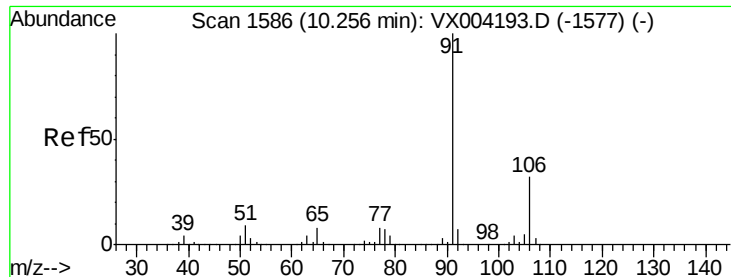
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.10 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion:131 Resp: 68530
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 65.8 32.9 98.6





#67

Ethyl Benzene

Concen: 20.34 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampled :

VX0831WBSD01

Tot Ion: 91 Resp: 326527

Ion Ratio Lower Upper

91 100

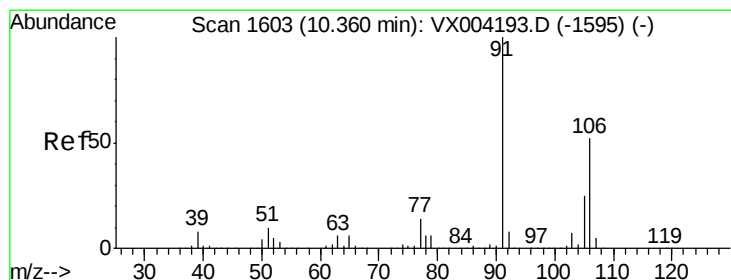
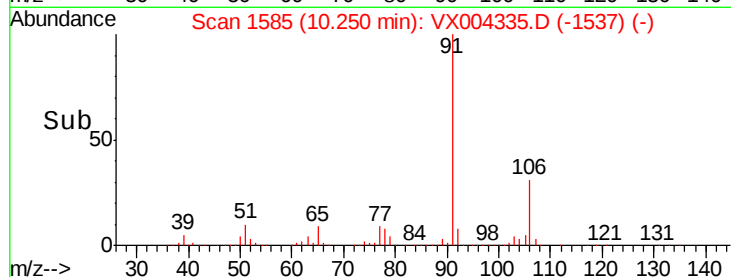
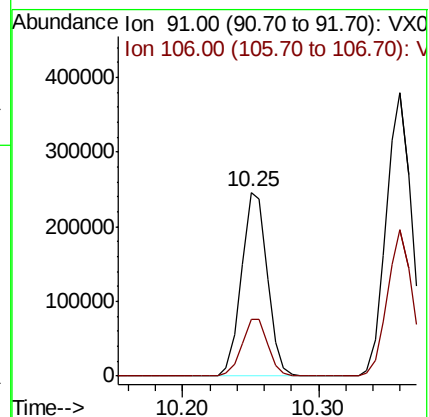
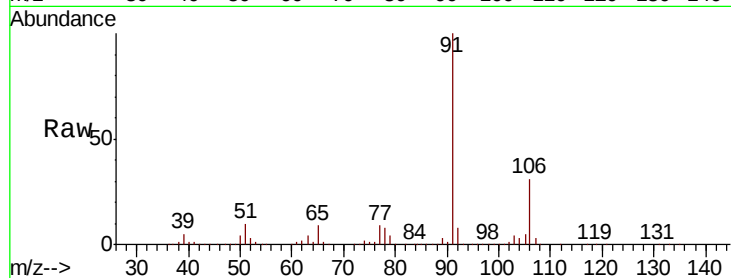
106 30.8 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.78 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004335.D

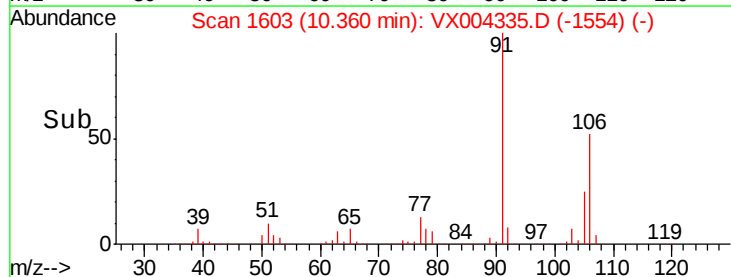
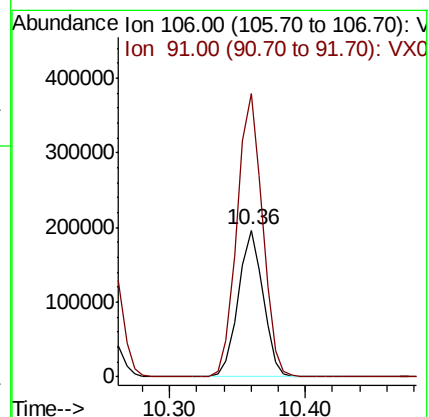
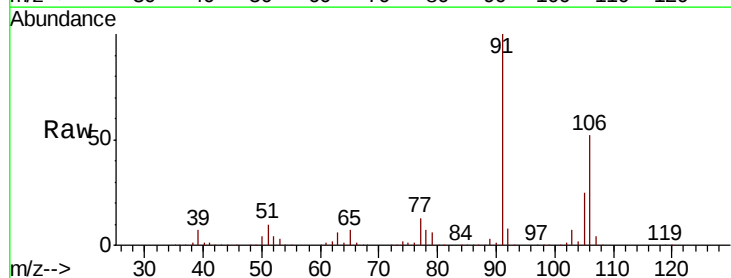
Acq: 31 Aug 2018 19:13

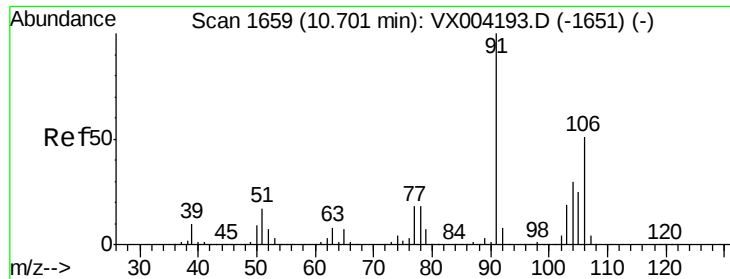
Tgt Ion: 106 Resp: 249731

Ion Ratio Lower Upper

106 100

91 198.6 157.1 235.7





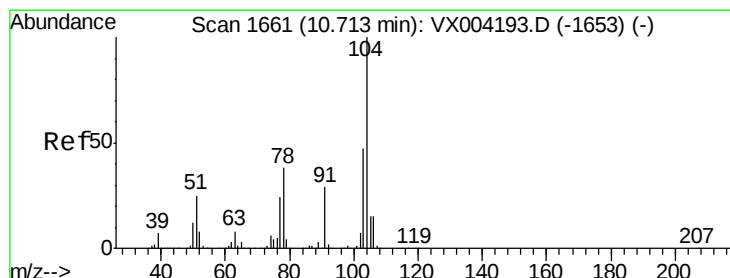
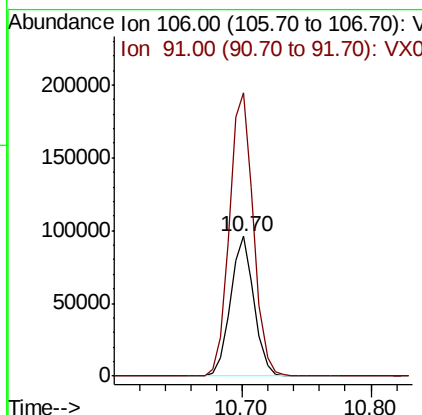
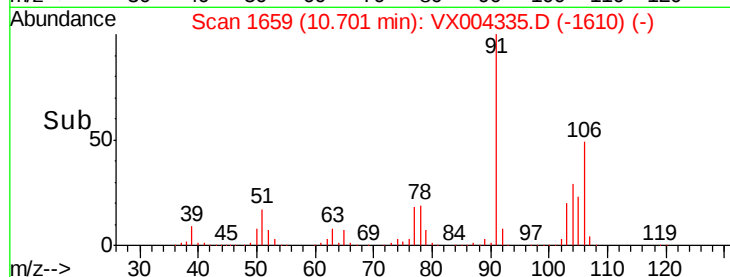
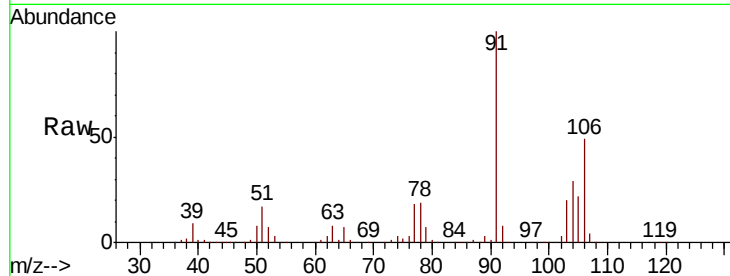
#69
o-Xylene
Concen: 20.63 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampled :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.9	105.1	315.1

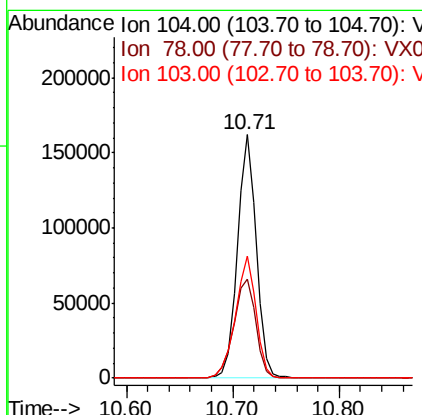
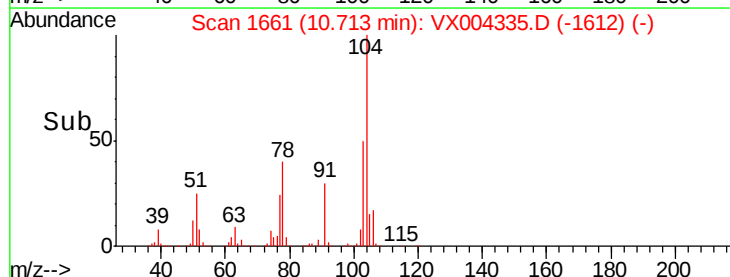
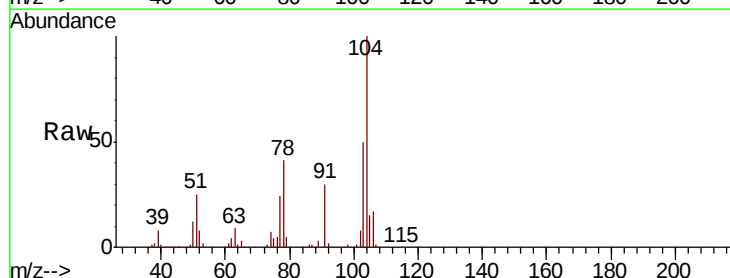
Manual Integrations
APPROVED

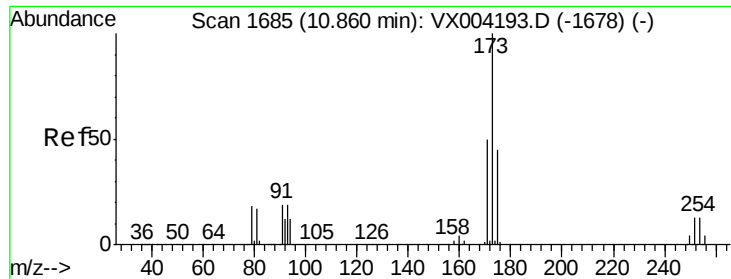
MMDadoda
9/4/2018 12:10:51 PM



#70
Styrene
Concen: 21.02 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.4	56.0
103	54.7	43.8	65.6





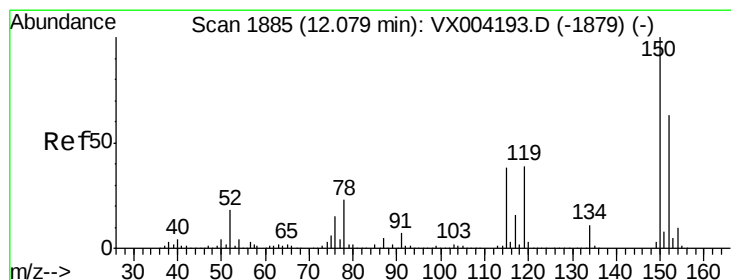
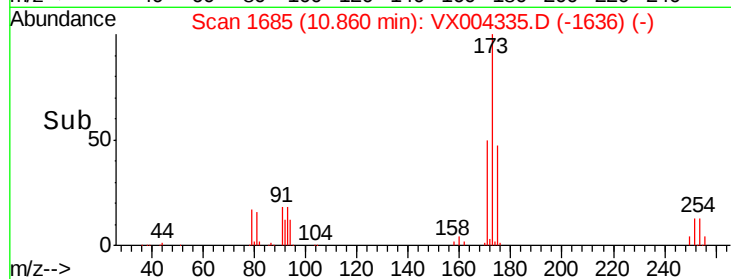
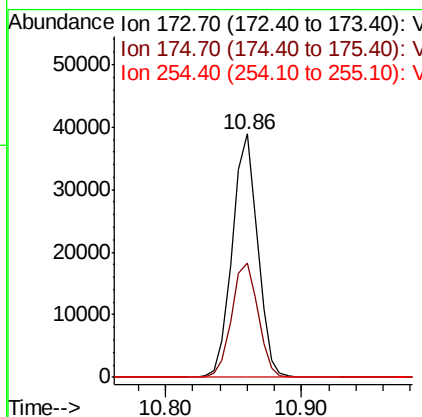
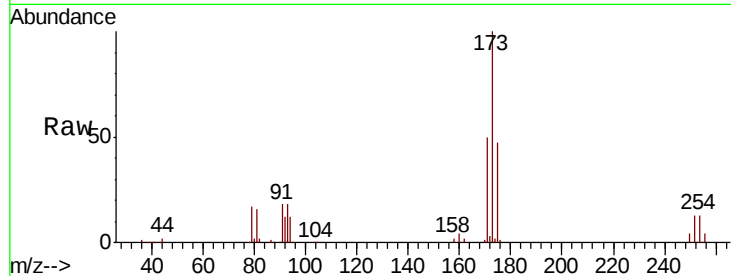
#71
Bromoform
Concen: 18.38 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.2	0.2	0.2

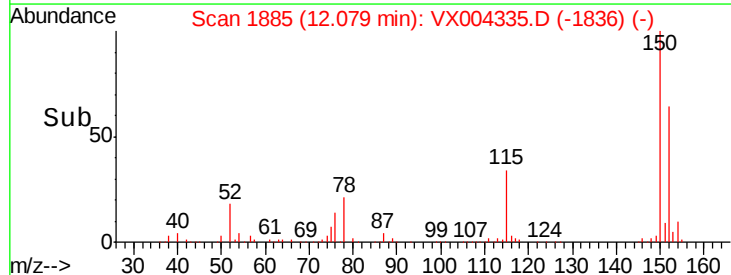
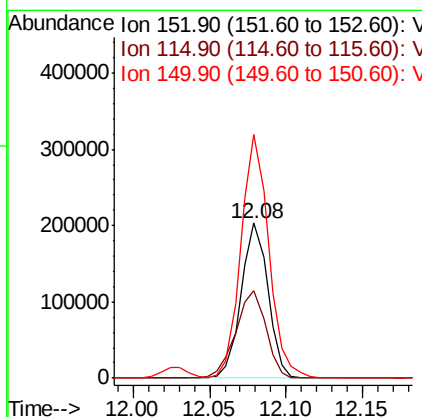
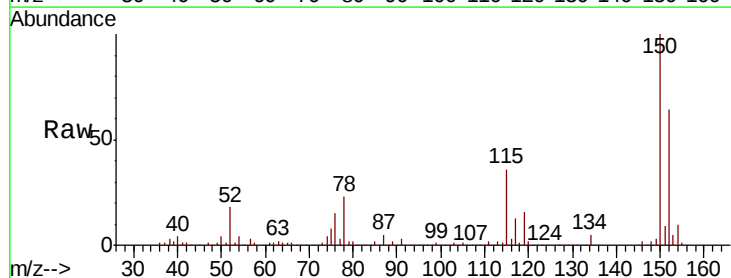
Manual Integrations
APPROVED

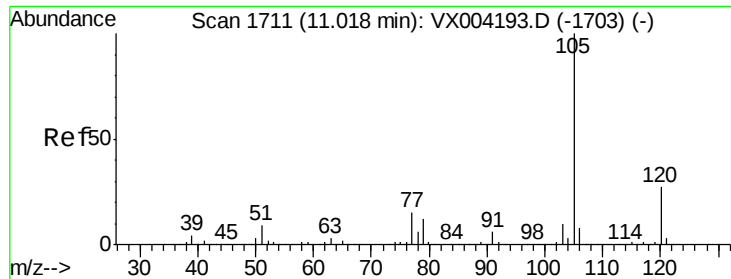
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	39.0	117.0
150	162.5	0.0	351.0





#73

Isopropylbenzene

Concen: 20.69 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBSD01

Tot Ion: 105 Resp: 335626

Ion Ratio Lower Upper

105 100

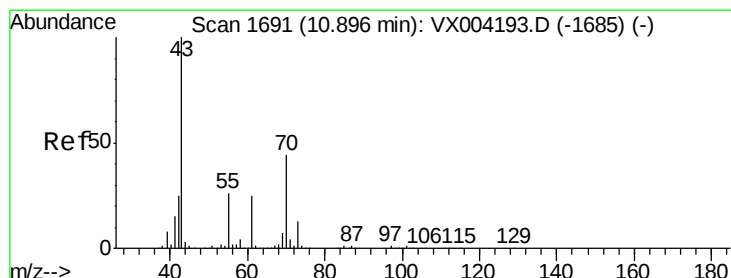
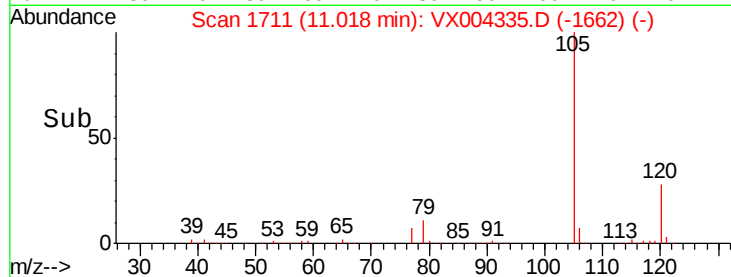
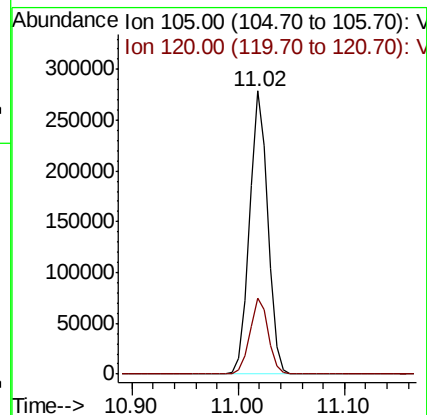
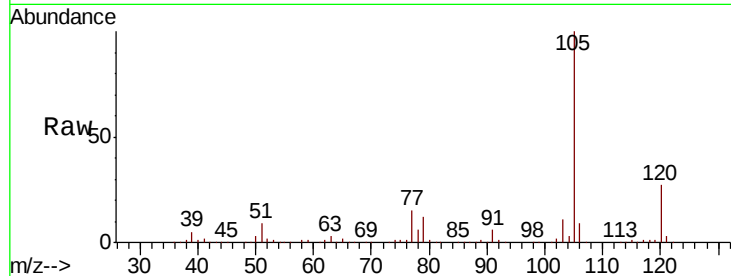
120 26.8 13.5 40.4

Manual Integrations

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MMDadoda

9/4/2018 12:10:51 PM



#74

N-ethyl acetate

Concen: 19.58 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion: 43 Resp: 122285

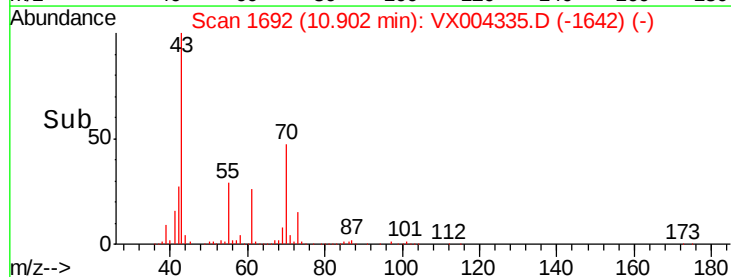
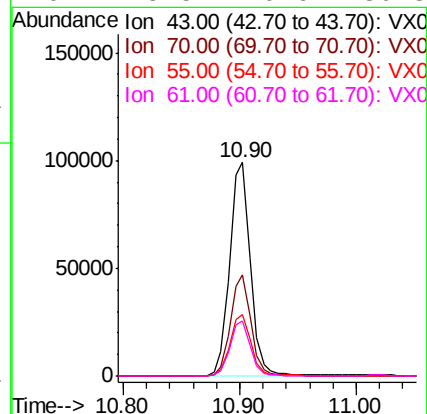
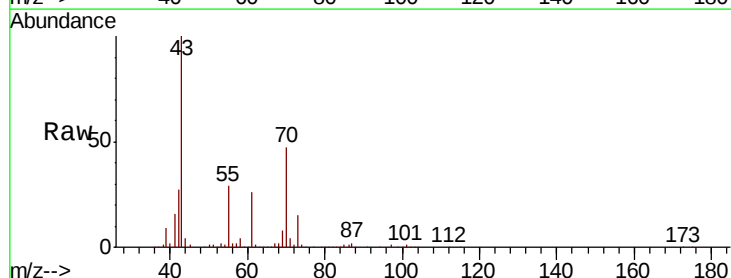
Ion Ratio Lower Upper

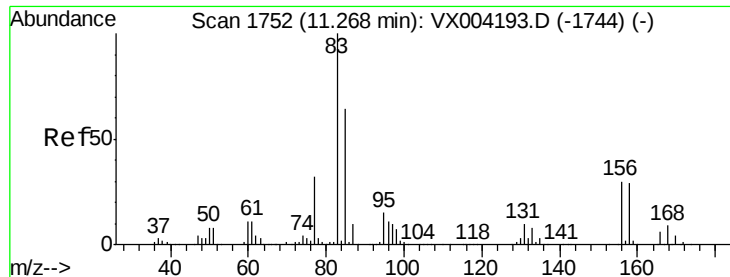
43 100

70 46.4 37.4 56.0

55 29.6 21.8 32.8

61 25.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.74 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

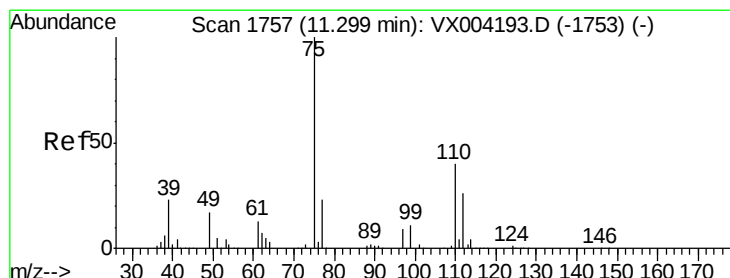
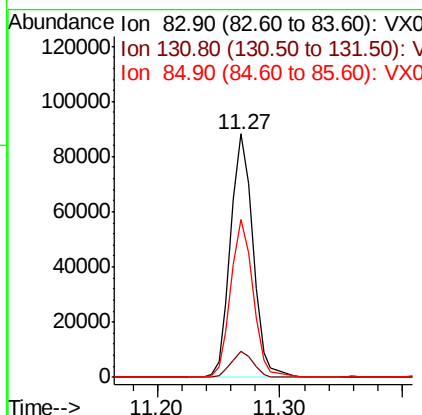
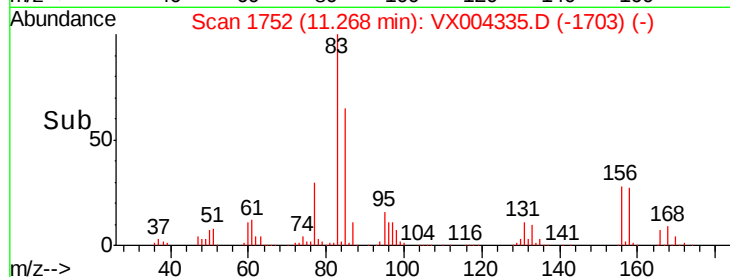
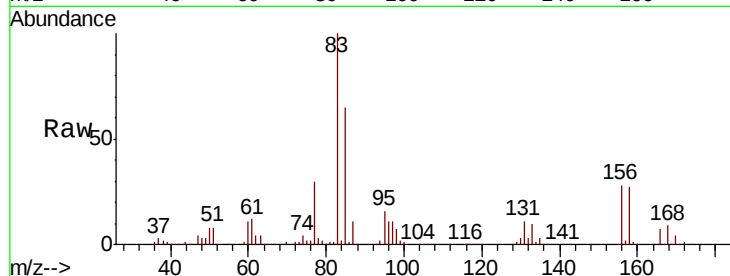
ClientSampleId :

VX0831WBSD01

Tot Ion:	83	Resp:	112060
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.6	32.3	96.8

Manual Integrations
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9/4/2018 12:10:51 PM



#76

1,2,3-Trichloropropane

Concen: 20.37 ug/l m

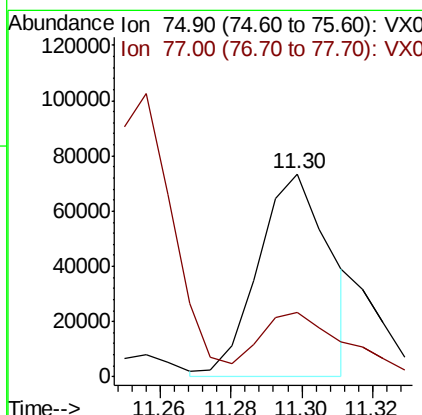
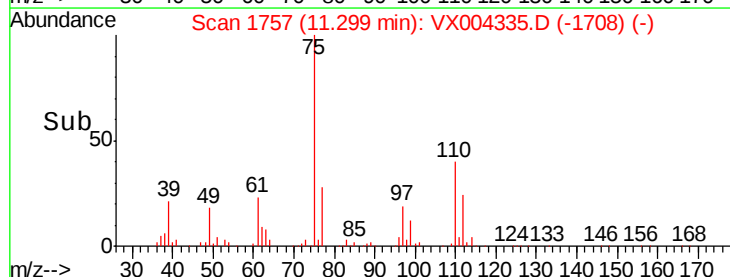
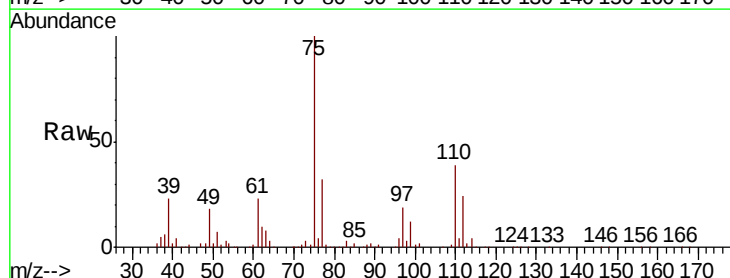
RT: 11.30 min Scan# 1757

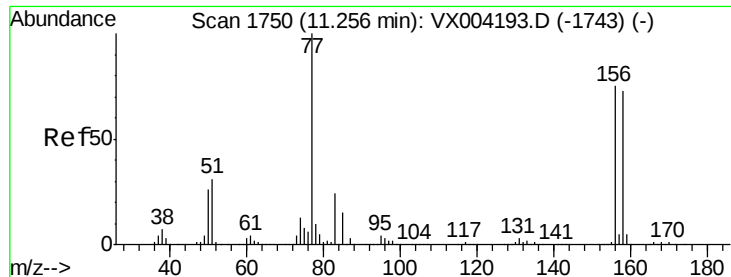
Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion:	75	Resp:	102322
Ion Ratio	Lower	Upper	
75	100		
77	38.6	20.2	60.6





#77

Bromobenzene

Concen: 19.81 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampled :

VX0831WBSD01

Tot Ion:156 Resp: 90132

Ion Ratio Lower Upper

156 100

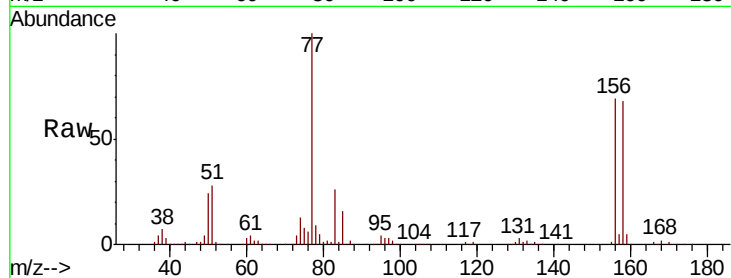
77 147.3 71.5 214.3

158 97.0 48.9 146.8

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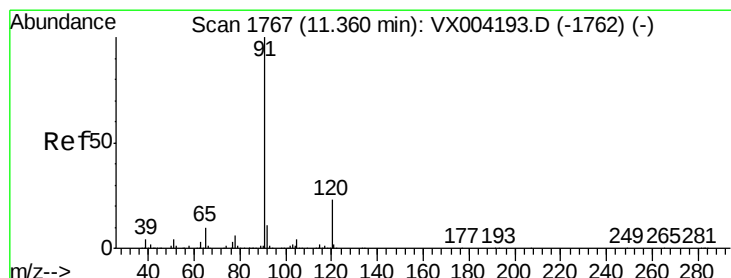
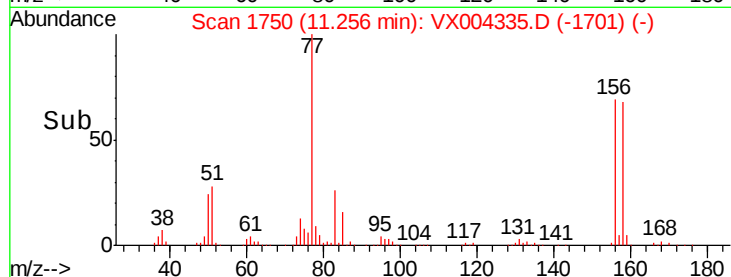
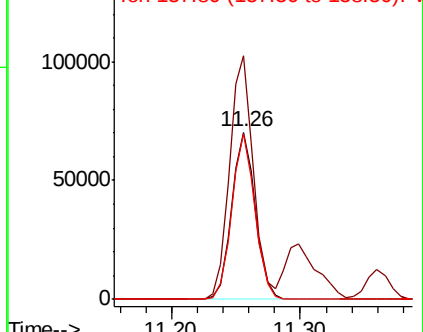
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.71 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004335.D

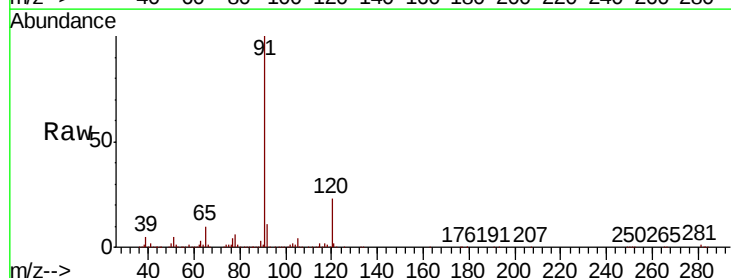
Acq: 31 Aug 2018 19:13

Tgt Ion: 91 Resp: 386349

Ion Ratio Lower Upper

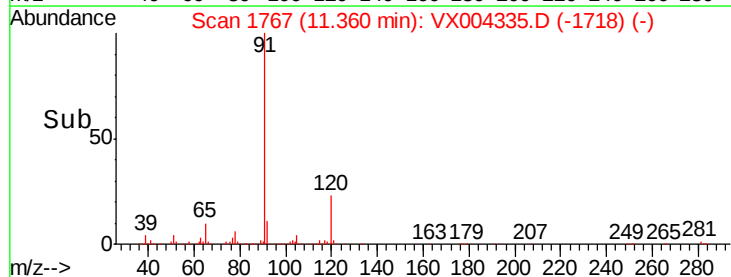
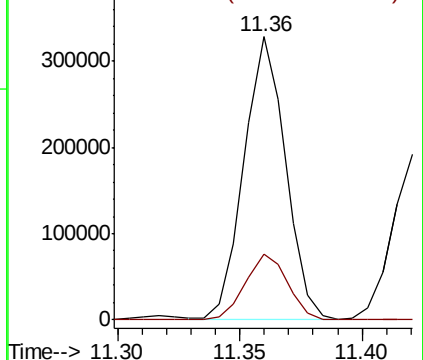
91 100

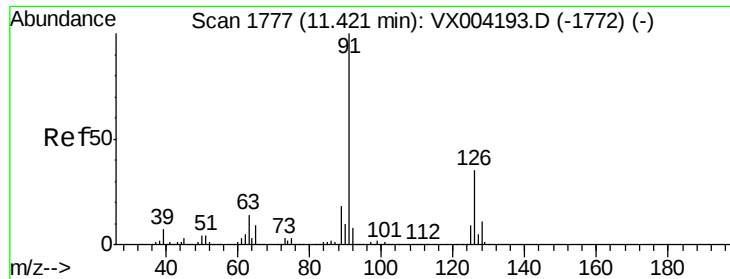
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.31 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

ClientSampled :

VX0831WBSD01

Tot Ion: 91 Resp: 233178

Ion Ratio Lower Upper

91 100

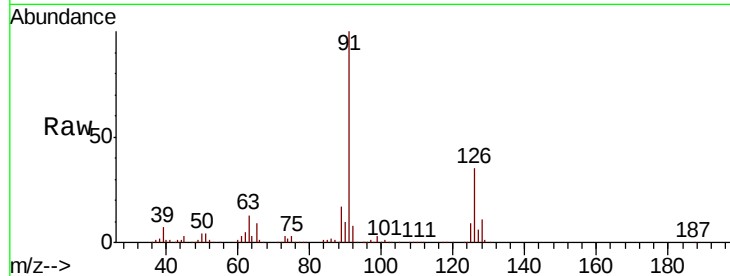
126 35.2 17.9 53.7

Manual Integrations

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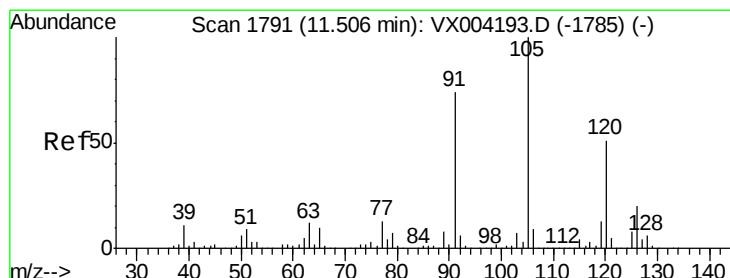
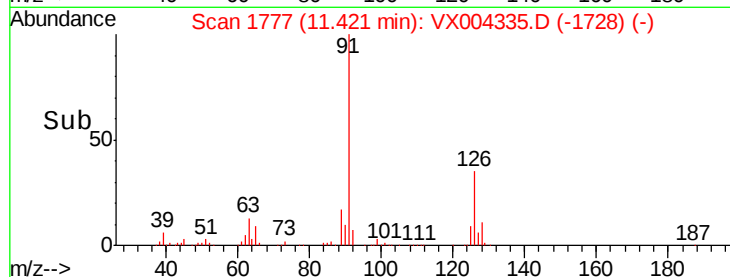
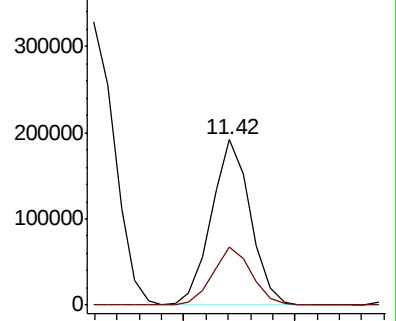
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004335.D

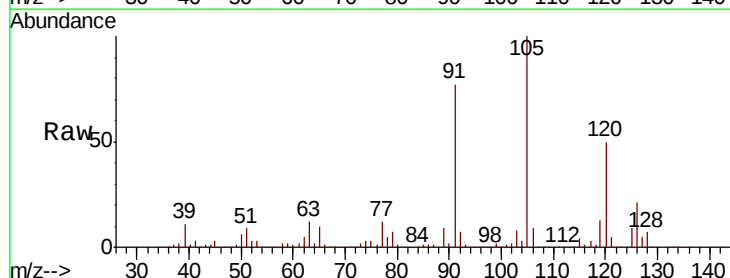
Acq: 31 Aug 2018 19:13

Tgt Ion:105 Resp: 281125

Ion Ratio Lower Upper

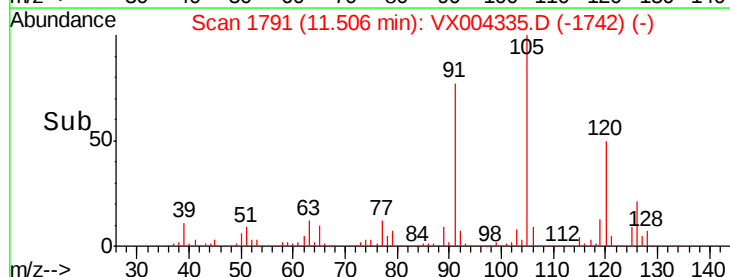
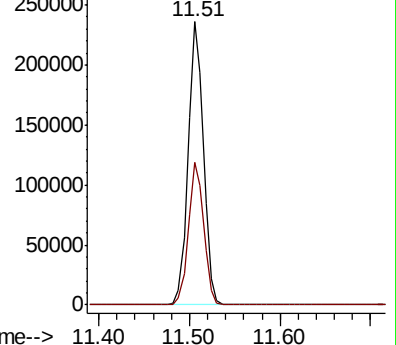
105 100

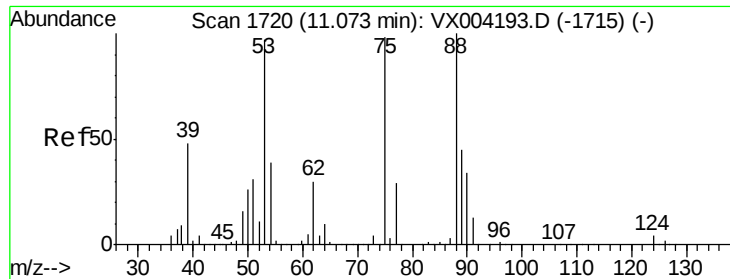
120 50.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





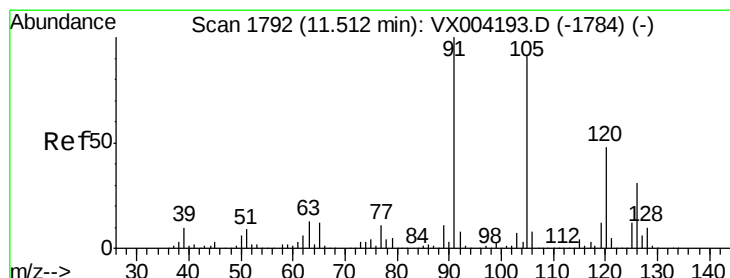
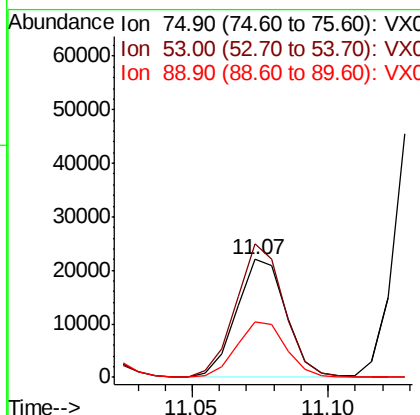
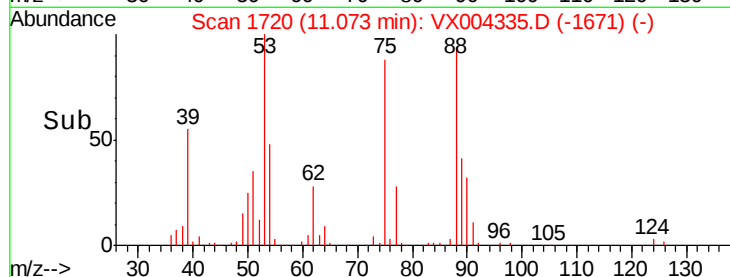
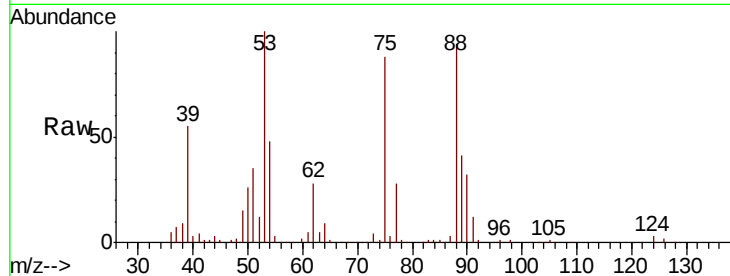
#81
trans-1,4-Dichloro-2-butene
Concen: 17.94 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampled :
VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.0	80.1	120.1
89	46.9	37.2	55.8

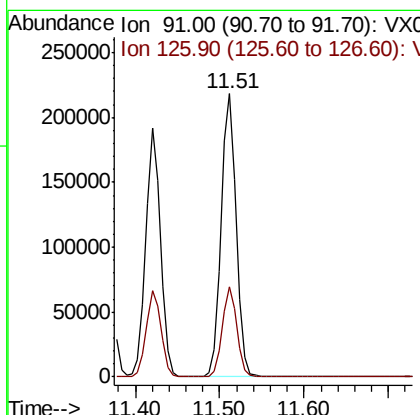
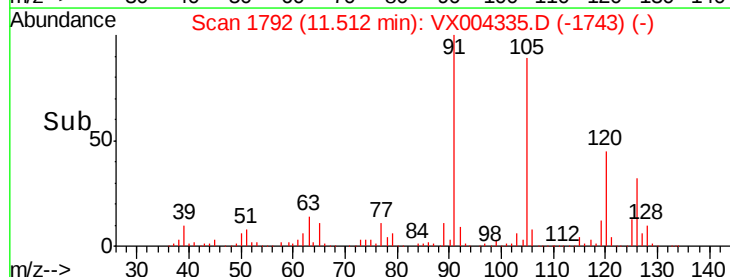
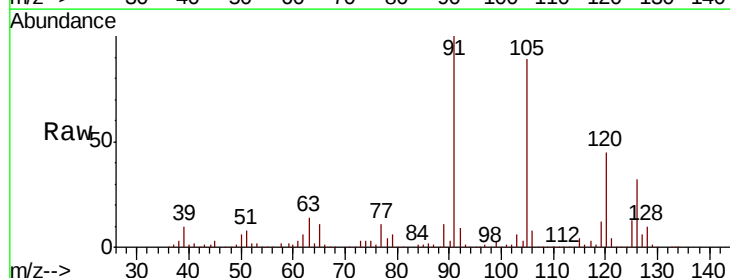
Manual Integrations
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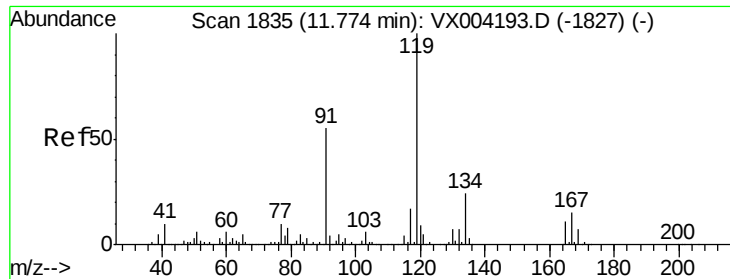
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#82
4-Chlorotoluene
Concen: 20.04 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





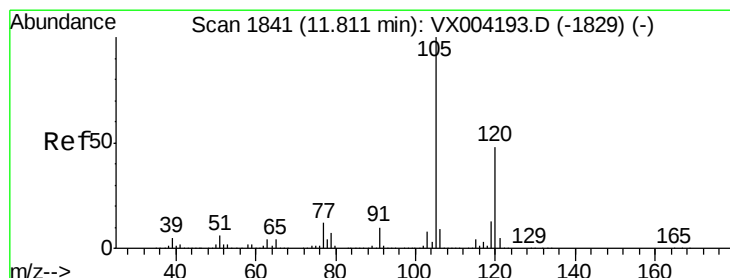
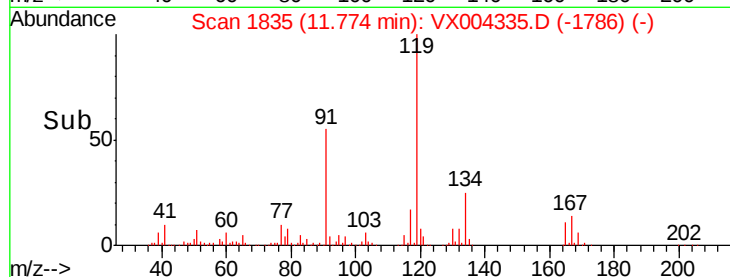
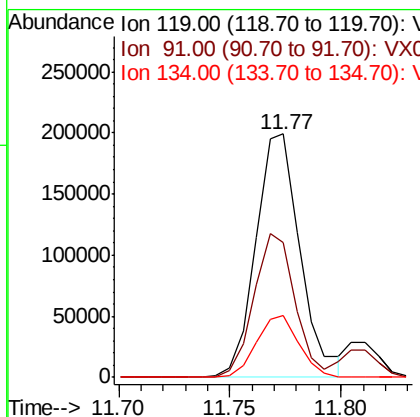
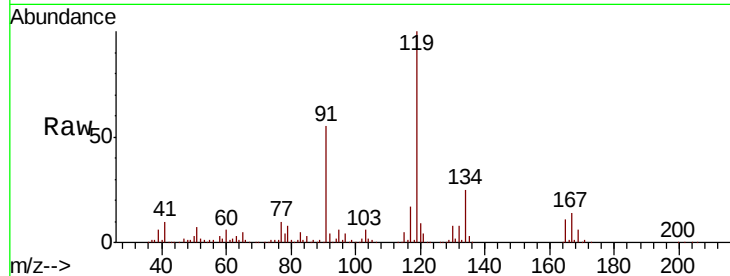
#83
 tert-Butylbenzene
 Concen: 20.37 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	27.0	81.0
134	24.4	11.7	35.1

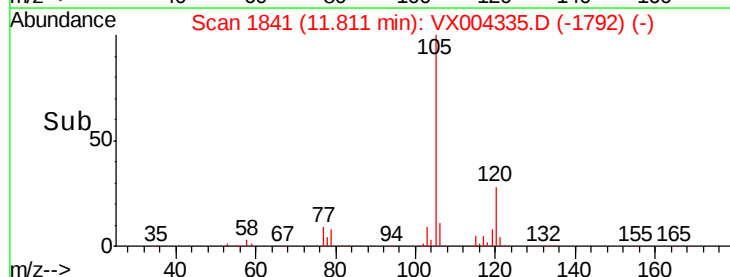
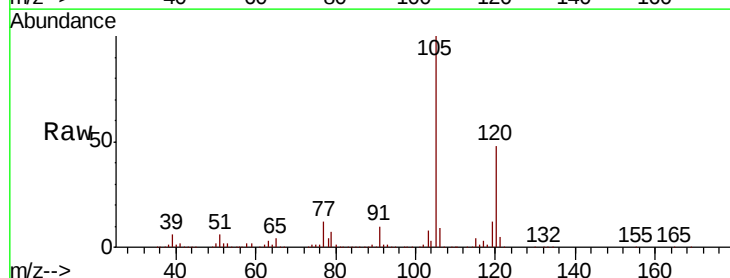
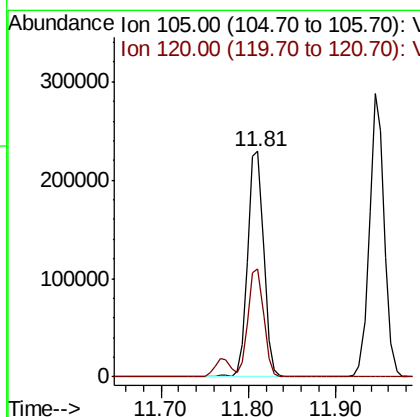
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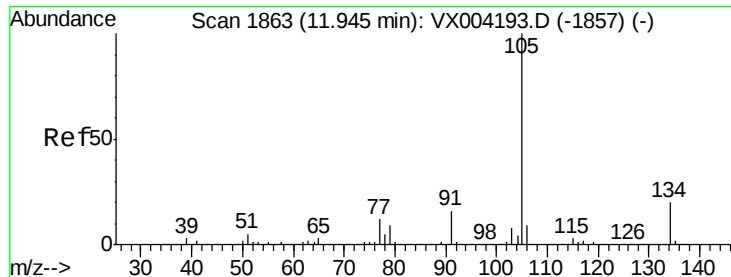
MMDadoda
 9/4/2018 12:10:51 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.02 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





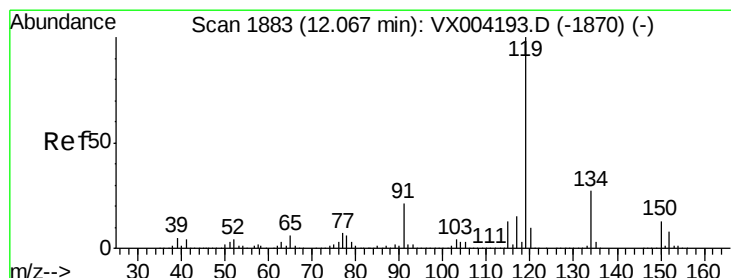
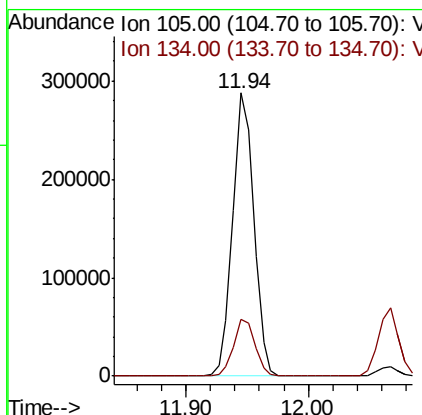
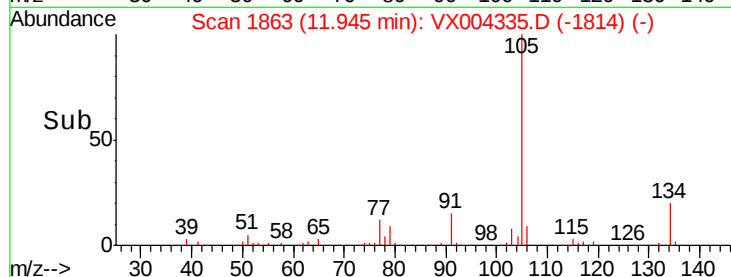
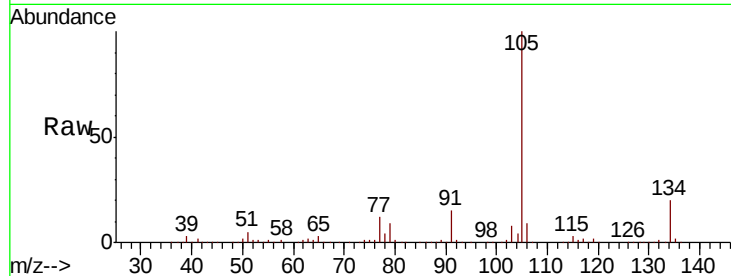
#85
 sec-Butylbenzene
 Concen: 21.40 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.5	31.5

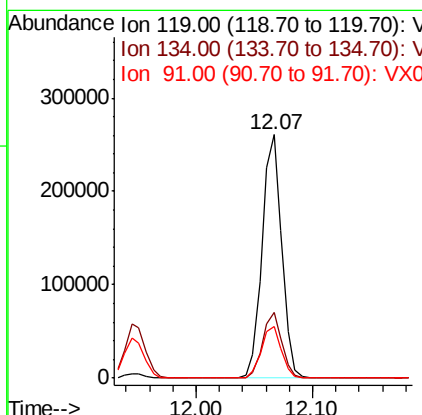
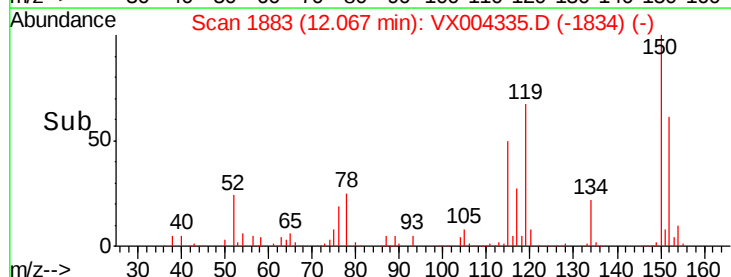
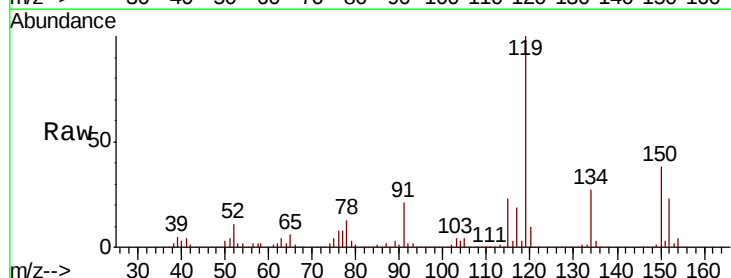
Manual Integrations
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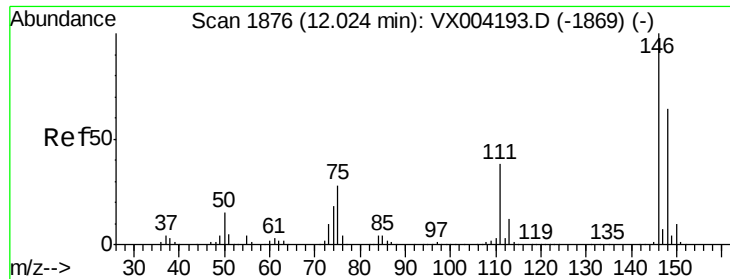
MMDadoda
 9/4/2018 12:10:51 PM



#86
 p-Isopropyltoluene
 Concen: 21.40 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	21.9	10.9	32.7





#87

1,3-Dichlorobenzene

Concen: 19.52 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Instrument :

MSVOA_X

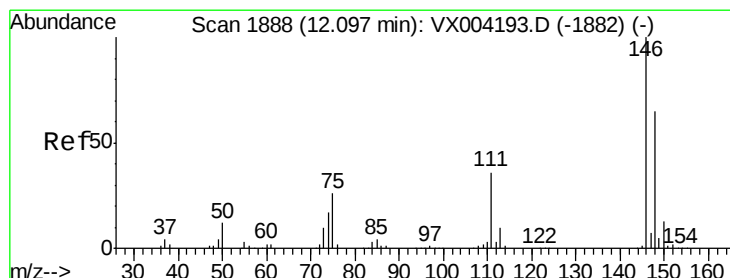
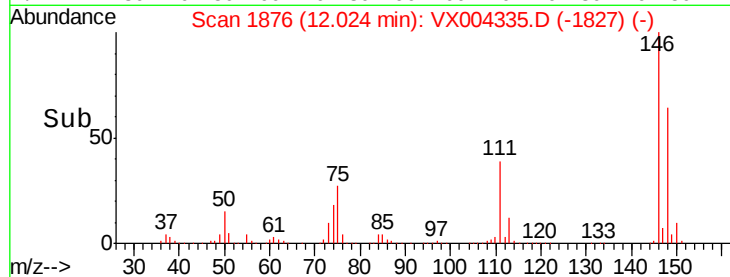
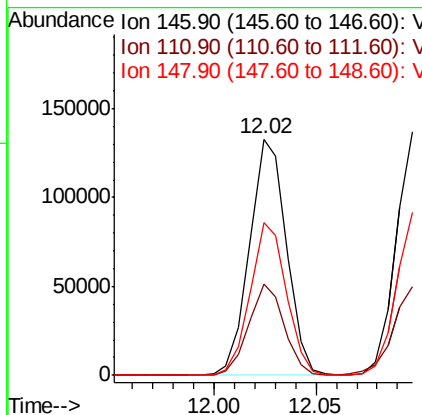
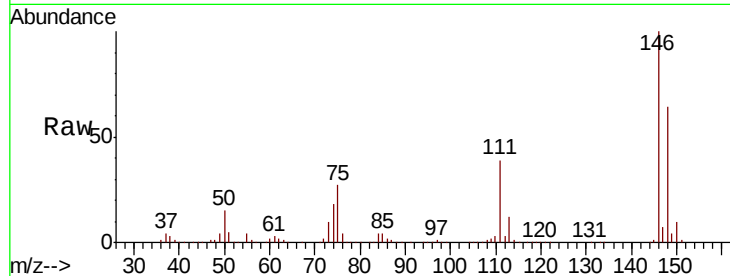
ClientSampled :

VX0831WBSD01

Tot Ion:	146	Resp:	167232
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.7	56.1
148	63.7	32.1	96.5

Manual Integrations
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9/4/2018 12:10:51 PM



#88

1,4-Dichlorobenzene

Concen: 18.59 ug/l

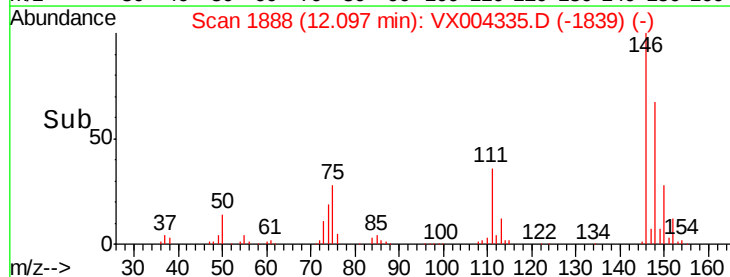
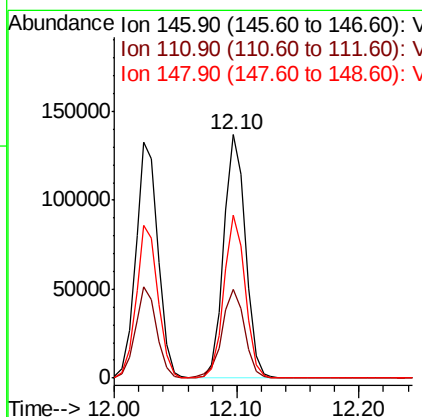
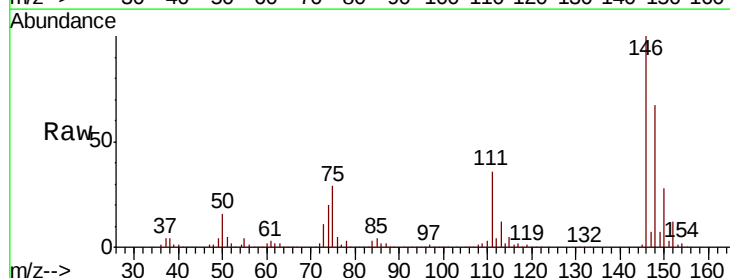
RT: 12.10 min Scan# 1888

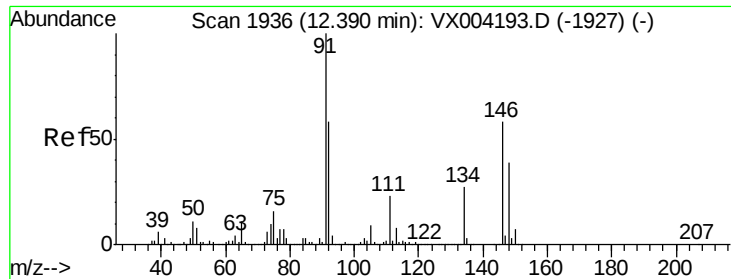
Delta R.T. -0.00 min

Lab File: VX004335.D

Acq: 31 Aug 2018 19:13

Tgt Ion:	146	Resp:	167921
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.1	54.1
148	65.4	32.0	96.0





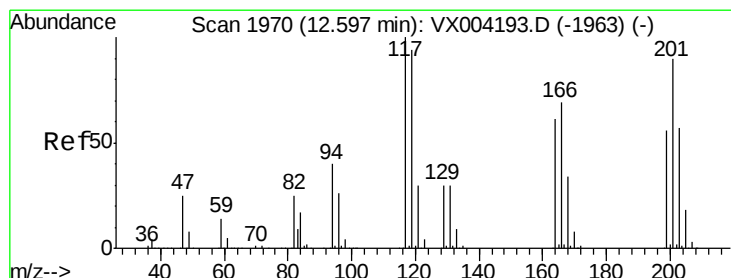
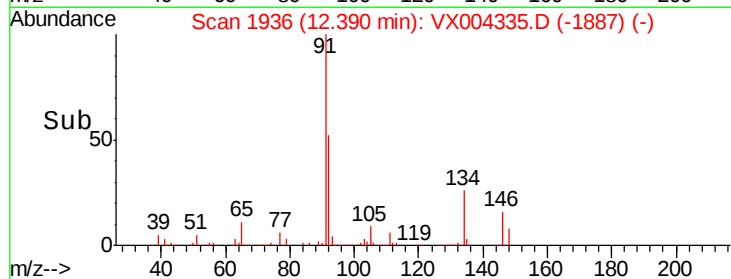
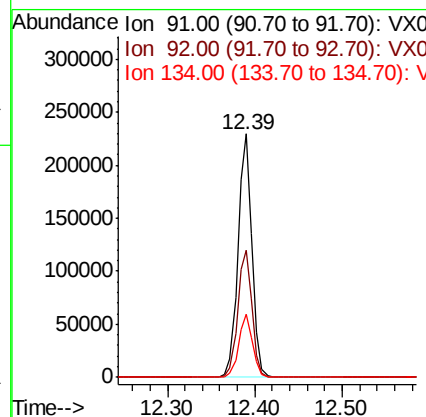
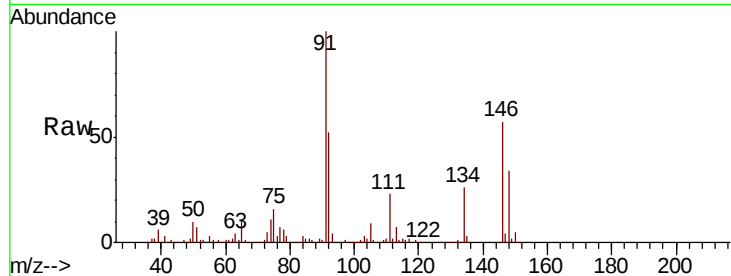
#89
n-Butylbenzene
Concen: 22.01 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	257279		
92	53.0		27.3	81.9
134	25.6		13.6	40.7

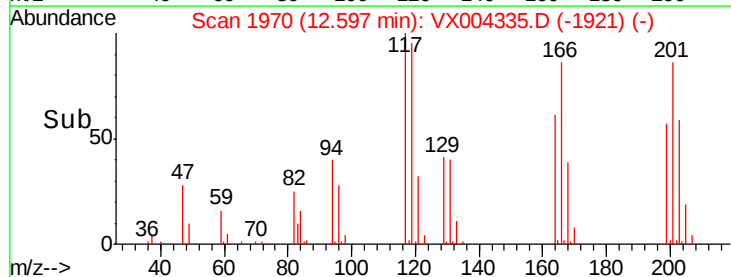
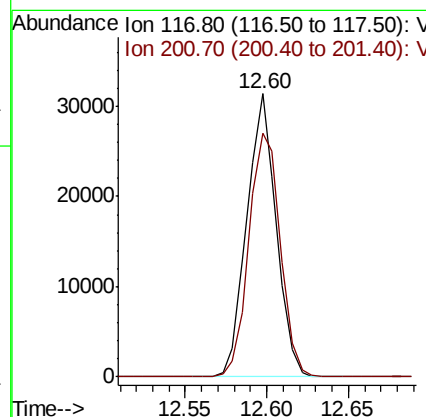
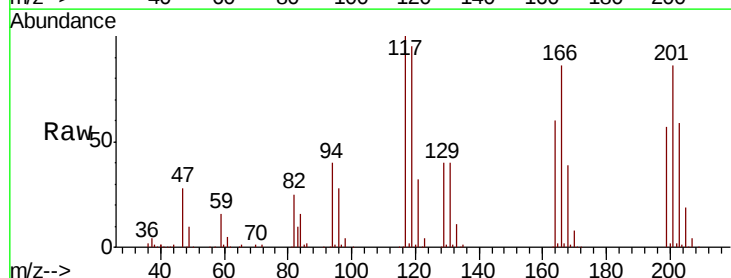
Manual Integrations
APPROVED

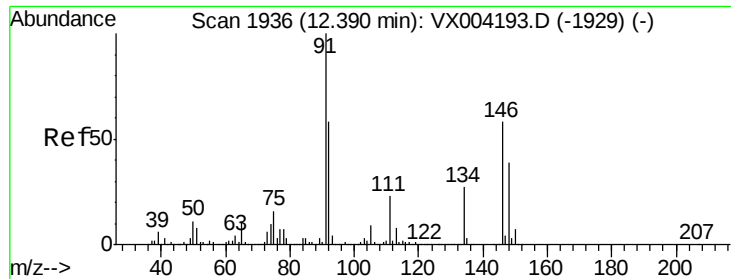
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#90
Hexachloroethane
Concen: 19.63 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39458		
201	92.0		46.9	140.6





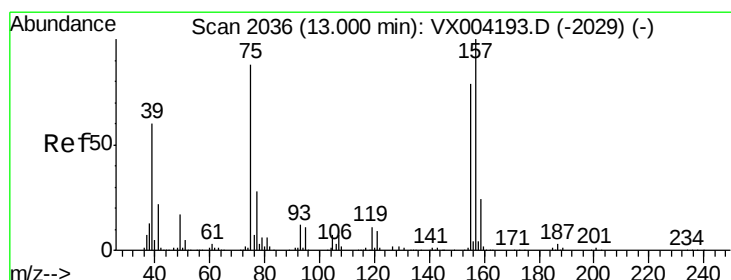
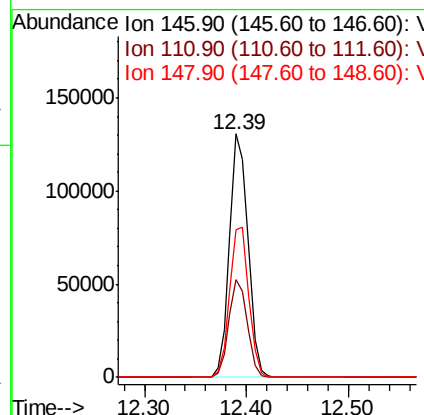
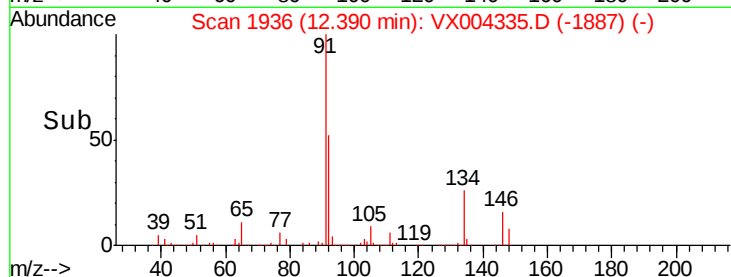
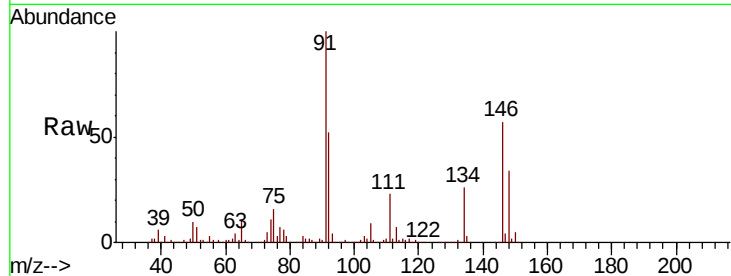
#91
 1,2-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.1
148	63.7	32.8	98.3

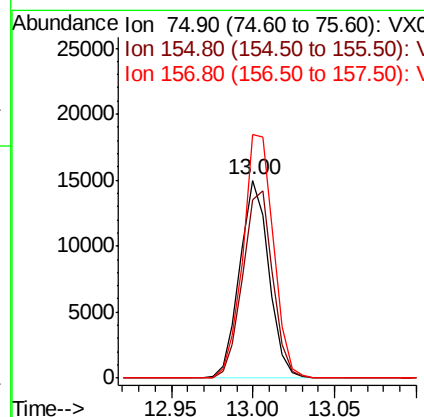
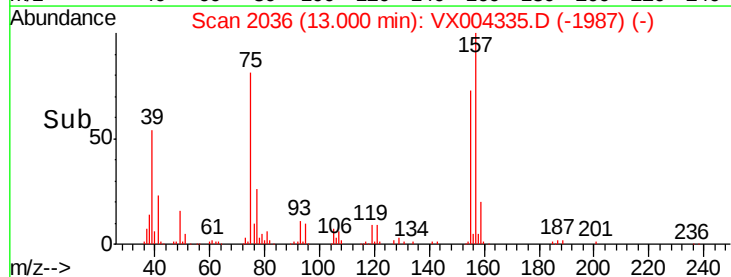
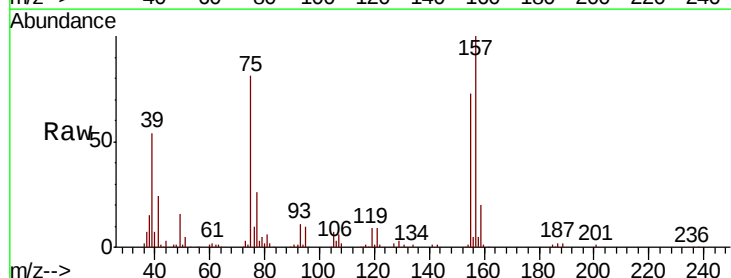
Manual Integrations
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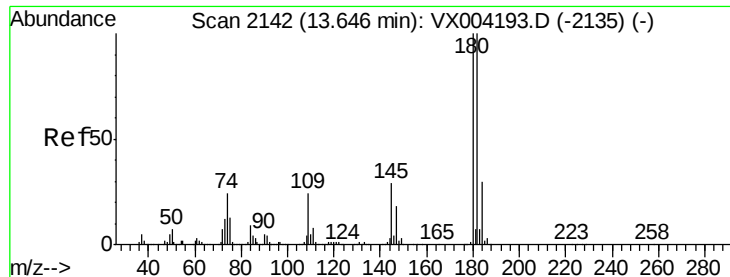
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.62 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	48.0	144.2
157	129.6	61.4	184.1





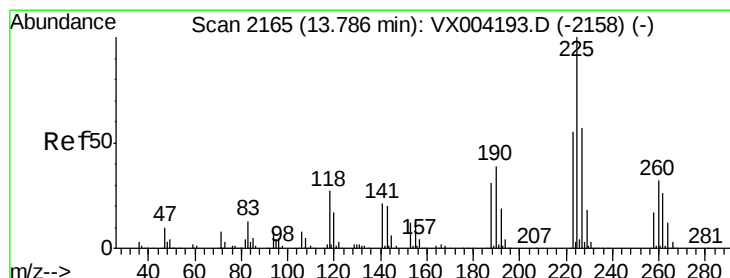
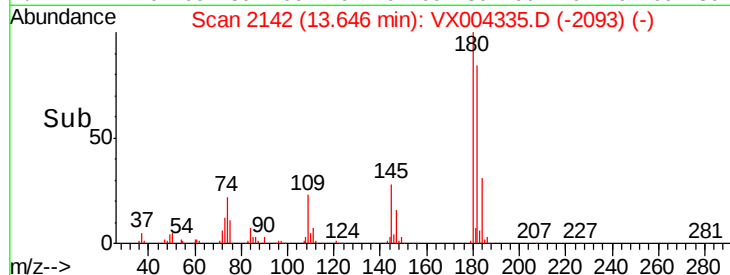
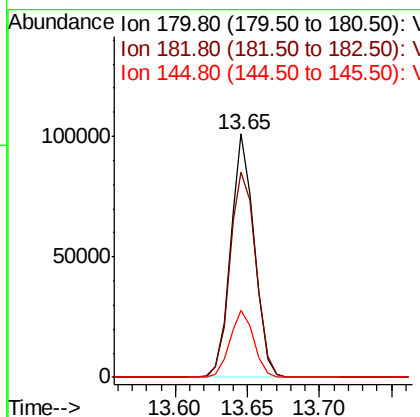
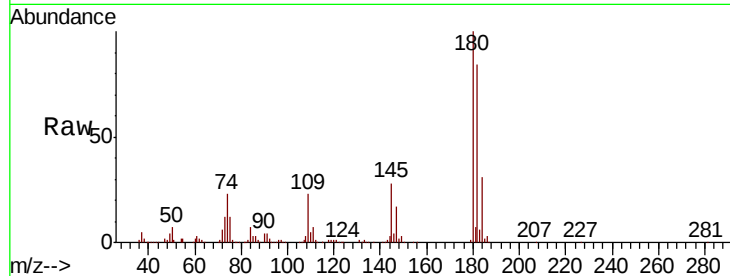
#93
 1,2,4-Trichlorobenzene
 Concen: 20.43 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116398		
182	93.0	48.4	145.0	
145	28.0	14.3	42.9	

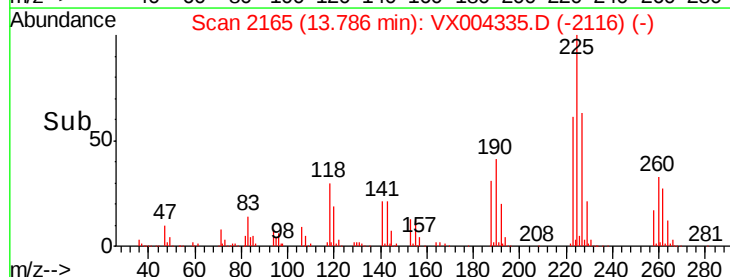
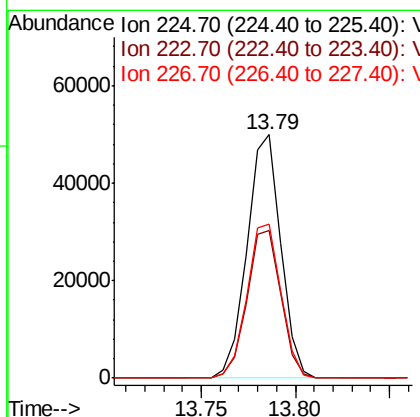
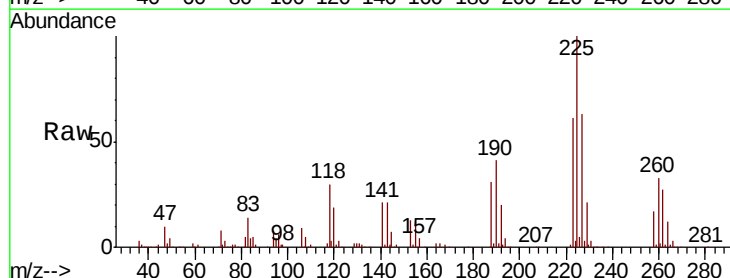
Manual Integrations
 APPROVED

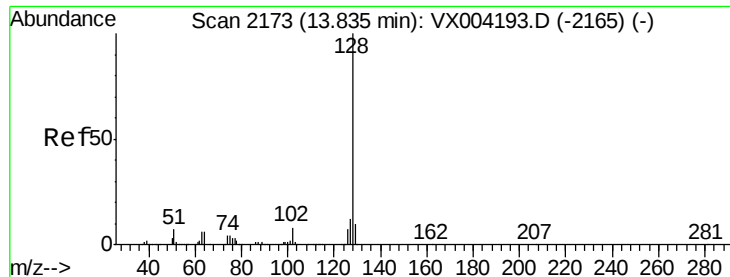
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#94
 Hexachlorobutadiene
 Concen: 23.27 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004335.D
 Acq: 31 Aug 2018 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61849		
223	61.2	30.1	90.5	
227	63.9	30.8	92.4	





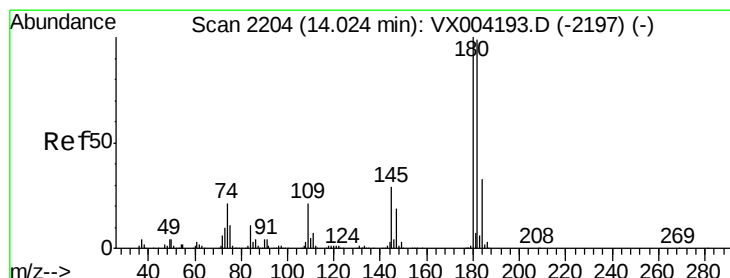
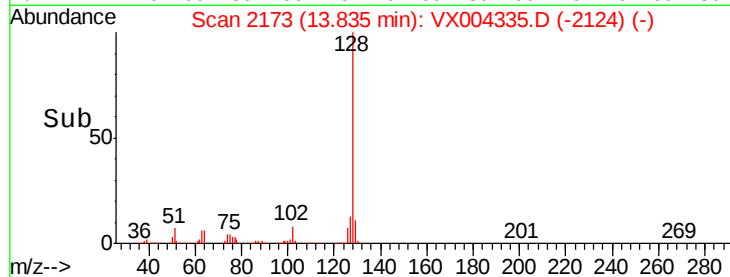
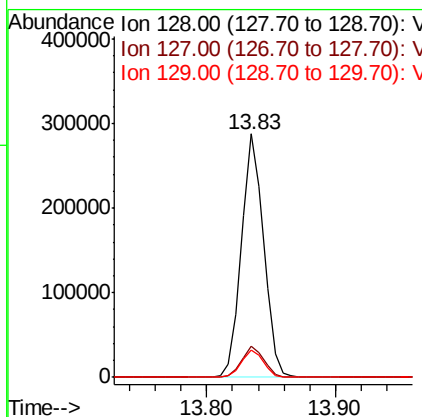
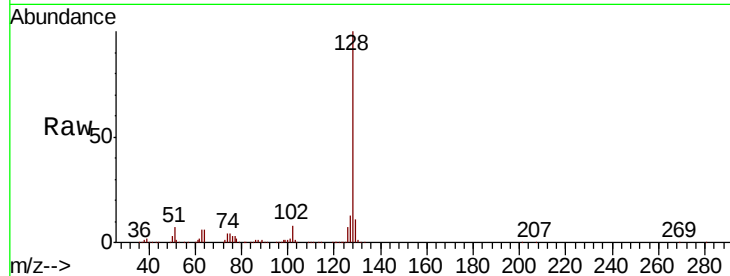
#95
Naphthalene
Concen: 21.33 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBSD01

Tot Ion:	128	Resp:	343662
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.66 ug/l
RT: 14.02 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VX004335.D
Acq: 31 Aug 2018 19:13

Tgt Ion:	180	Resp:	124610
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.5	145.6
145	29.3	14.9	44.9

