

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082718\
 Data File : VX004263.D
 Acq On : 27 Aug 2018 14:47
 Operator : JC/MD
 Sample : VX0827MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Manual Integrations
 APPROVED

MMDadoda

8/28/2018 3:54:20 PM

Quant Time: Aug 27 16:40:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 14:20:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	352426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	507535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	479763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	271748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	218480	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	5.50	113	185631	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	8.71	98	703717	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.14	95	261765	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	82804	20.28	ug/l	99
3) Chloromethane	1.32	50	94979	21.22	ug/l	99
4) Vinyl Chloride	1.40	62	96942	20.99	ug/l	99
5) Bromomethane	1.64	94	46971	19.40	ug/l	99
6) Chloroethane	1.72	64	66582	21.47	ug/l	94
7) Trichlorofluoromethane	1.93	101	122754	19.40	ug/l	99
8) Diethyl Ether	2.19	74	54741	20.20	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76349	19.26	ug/l	99
10) Methyl Iodide	2.51	142	63179	17.19	ug/l	99
11) Tert butyl alcohol	3.07	59	101941	104.11	ug/l	99
12) 1,1-Dichloroethene	2.37	96	71222	19.08	ug/l	98
13) Acrolein	2.29	56	24384	103.30	ug/l	99
14) Allyl chloride	2.73	41	132184	19.27	ug/l	97
15) Acrylonitrile	3.15	53	229138	94.49	ug/l	98
16) Acetone	2.45	43	192791	97.90	ug/l	100
17) Carbon Disulfide	2.57	76	178526	17.74	ug/l	98
18) Methyl Acetate	2.78	43	147560	21.65	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	250594	20.37	ug/l	99
20) Methylene Chloride	2.86	84	84467	19.10	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	77446	18.74	ug/l	98
22) Diisopropyl ether	3.87	45	252924	19.75	ug/l	96
23) Vinyl Acetate	3.82	43	982200	94.62	ug/l	98
24) 1,1-Dichloroethane	3.70	63	145029	19.43	ug/l	99
25) 2-Butanone	4.71	43	307053	98.03	ug/l	100
26) 2,2-Dichloropropane	4.58	77	110413	18.86	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	88819	18.95	ug/l	97
28) Bromochloromethane	5.02	49	65313	19.76	ug/l	98
29) Tetrahydrofuran	5.16	42	195718	99.17	ug/l	100
30) Chloroform	5.21	83	145319	19.42	ug/l	100
31) Cyclohexane	5.57	56	125090	19.42	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	121927	19.54	ug/l	100
36) 1,1-Dichloropropene	5.80	75	108776	19.06	ug/l	98
37) Ethyl Acetate	4.86	43	113348	20.20	ug/l	99
38) Carbon Tetrachloride	5.78	117	103495	19.28	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	124246	19.07	ug/l	100
40) Benzene	6.14	78	337799	19.81	ug/l	100
41) Methacrylonitrile	5.06	41	64835	19.93	ug/l	98
42) 1,2-Dichloroethane	6.20	62	113387	19.50	ug/l	99
43) Isopropyl Acetate	6.46	43	173853	20.16	ug/l	100
44) Trichloroethene	7.21	130	90957	19.27	ug/l	96
45) 1,2-Dichloropropane	7.52	63	85673	20.08	ug/l	100
46) Dibromomethane	7.67	93	55277	19.46	ug/l	99
47) Bromodichloromethane	7.90	83	101120	19.13	ug/l	98
48) Methyl methacrylate	7.78	41	91910	19.92	ug/l	98
49) 1,4-Dioxane	7.76	88	43440	414.68	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	595771	95.09	ug/l	100
52) Toluene	8.79	92	216495	20.29	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	113463	19.43	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	126577	19.90	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	86674	20.12	ug/l	97
56) Ethyl methacrylate	9.18	69	120388	20.53	ug/l	99
57) 1,3-Dichloropropane	9.37	76	145807	20.08	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	316378	105.28	ug/l	100
59) 2-Hexanone	9.50	43	455244	95.25	ug/l	100
60) Dibromochloromethane	9.59	129	79403	18.92	ug/l	99
61) 1,2-Dibromoethane	9.67	107	88568	19.87	ug/l	98
64) Tetrachloroethene	9.34	164	88819	18.74	ug/l	93
65) Chlorobenzene	10.14	112	240149	19.94	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	79736	19.20	ug/l	99
67) Ethyl Benzene	10.25	91	388128	19.85	ug/l	93
68) m/p-Xylenes	10.36	106	301540	39.44	ug/l	94
69) o-Xylene	10.70	106	140153	19.38	ug/l	90
70) Styrene	10.71	104	239937	20.49	ug/l	96
71) Bromoform	10.86	173	58469	17.47	ug/l	99
73) Isopropylbenzene	11.02	105	405850	22.74	ug/l	98
74) N-amyl acetate	10.90	43	146730	21.35	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	130223	20.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	115921m	21.73	ug/l	
77) Bromobenzene	11.26	156	105747	21.12	ug/l	99
78) n-propylbenzene	11.36	91	458159	22.32	ug/l	100
79) 2-Chlorotoluene	11.42	91	274938	21.76	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	332574	22.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34152	20.05	ug/l	96
82) 4-Chlorotoluene	11.51	91	314724	21.17	ug/l	99
83) tert-Butylbenzene	11.77	119	322490	21.69	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	345964	22.80	ug/l	100
85) sec-Butylbenzene	11.94	105	388217	21.99	ug/l	99
86) p-Isopropyltoluene	12.07	119	341396	21.58	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	199284	21.14	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189908	19.16	ug/l	99
89) n-Butylbenzene	12.39	91	255963	19.89	ug/l	99
90) Hexachloroethane	12.60	117	43783	19.80	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	172168	19.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22232	20.21	ug/l	97

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 14:20:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	127147	20.28	ug/l	99
94) Hexachlorobutadiene	13.79	225	59005	20.15	ug/l	100
95) Naphthalene	13.83	128	389109	21.95	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	142993	21.55	ug/l	100

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

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 Sample : VX0827MBS01
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 ALS Vial : 6 Sample Multiplier: 1

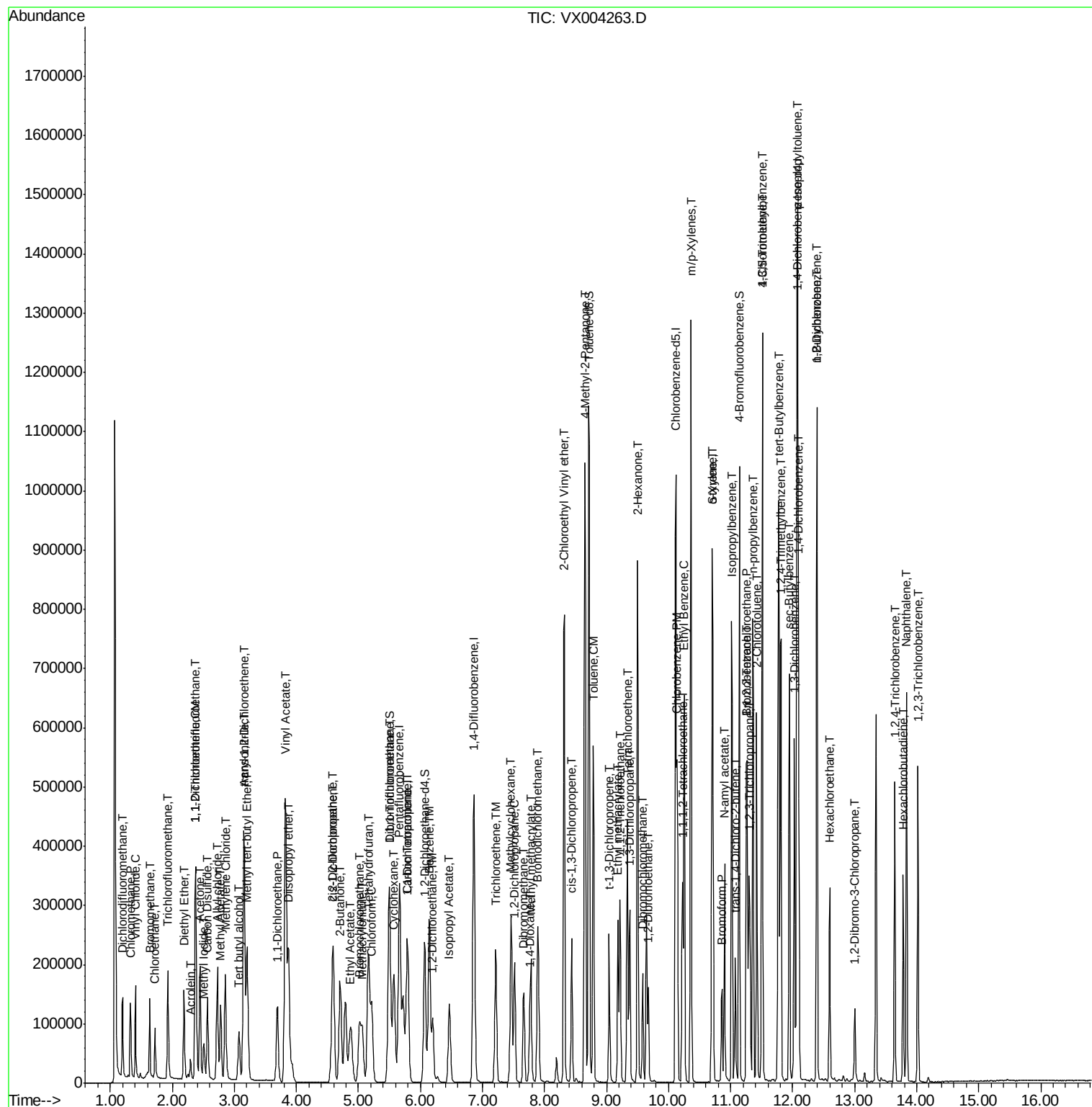
Instrument :
 MSVOA_X
 Client Sample ID :
 VX0827MBS01

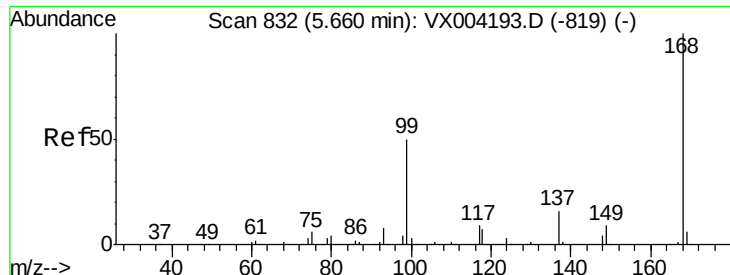
Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0827MBS01

Tot Ion:168 Resp: 352426

Ion Ratio Lower Upper

168 100

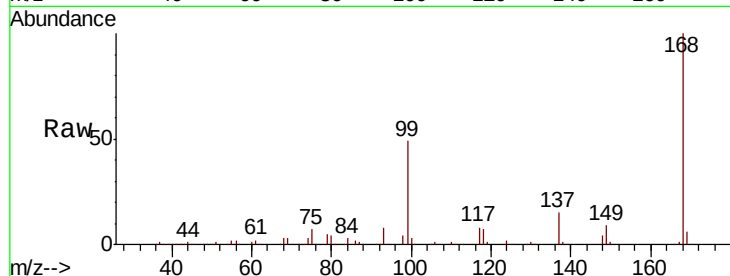
99 48.5 40.1 60.1

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

150000

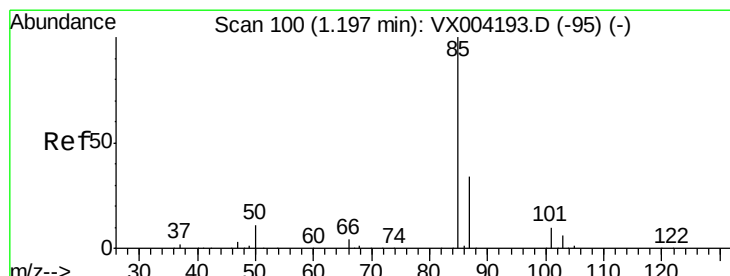
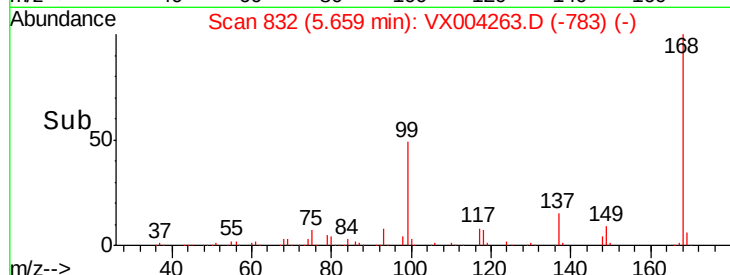
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.28 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004263.D

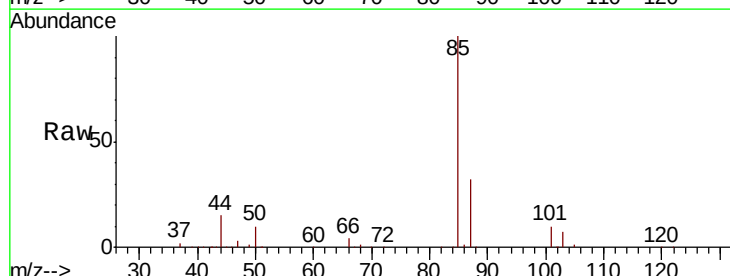
Acq: 27 Aug 2018 14:47

Tgt Ion: 85 Resp: 82804

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

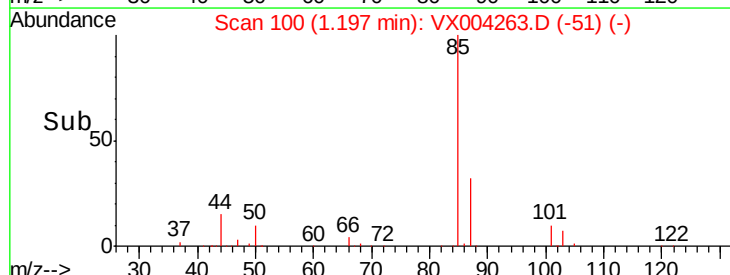
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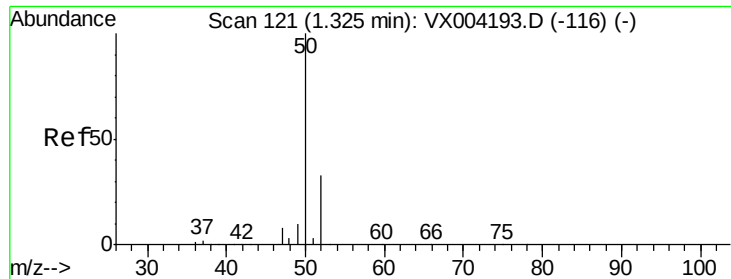
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 50 Resp: 94979

Ion Ratio Lower Upper

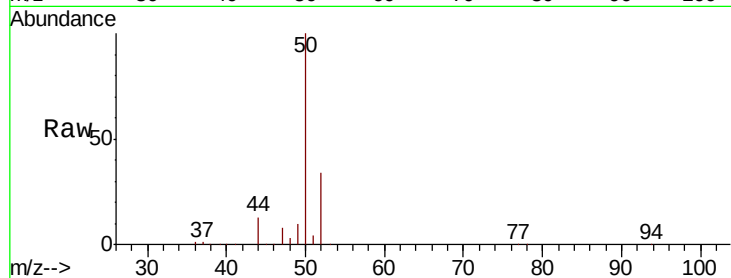
50 100

52 33.7 26.6 39.8

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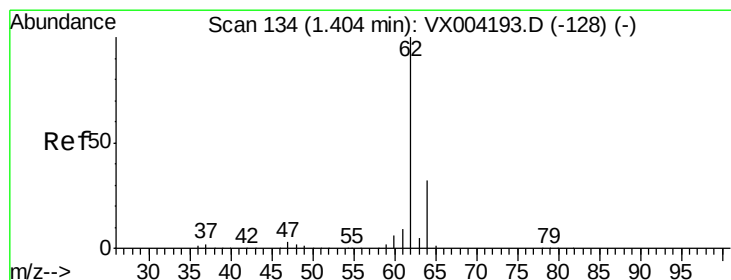
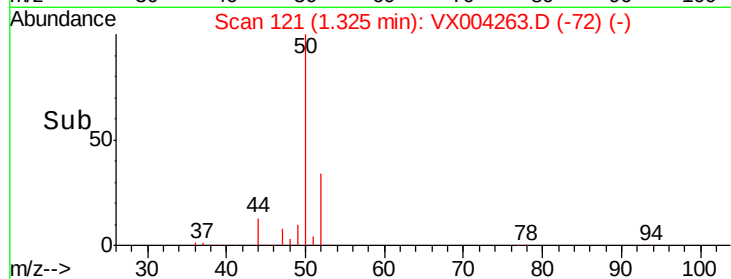
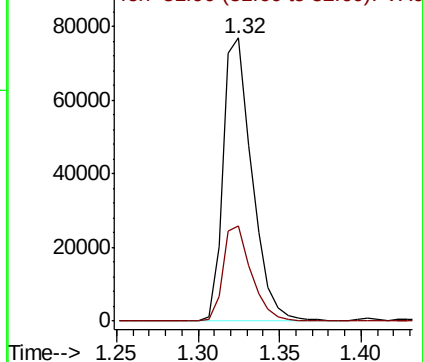
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.99 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004263.D

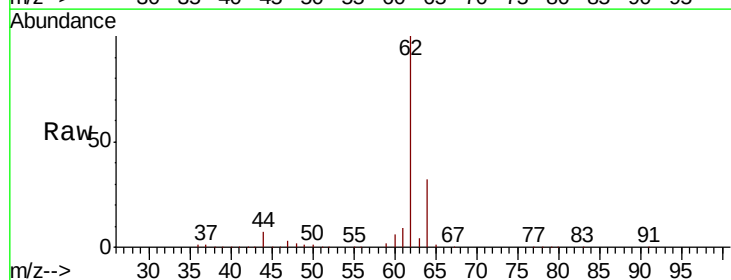
Acq: 27 Aug 2018 14:47

Tgt Ion: 62 Resp: 96942

Ion Ratio Lower Upper

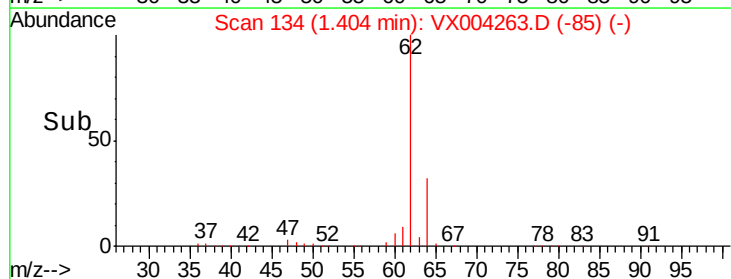
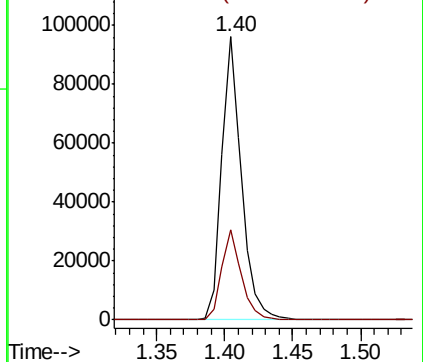
62 100

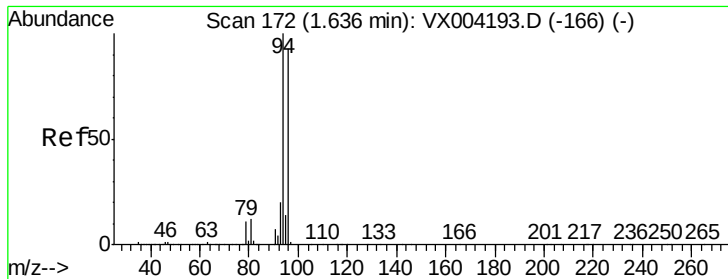
64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.40 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0827MBS01

Tot Ion: 94 Resp: 46971

Ion Ratio Lower Upper

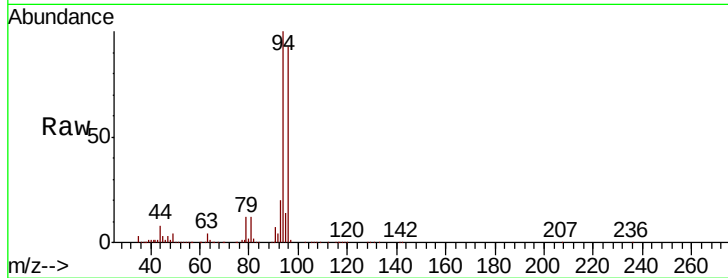
94 100

96 93.1 75.2 112.8

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

30000

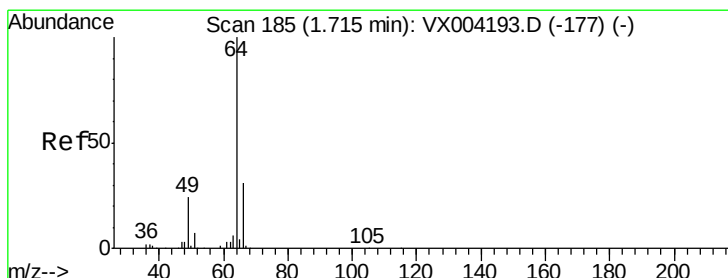
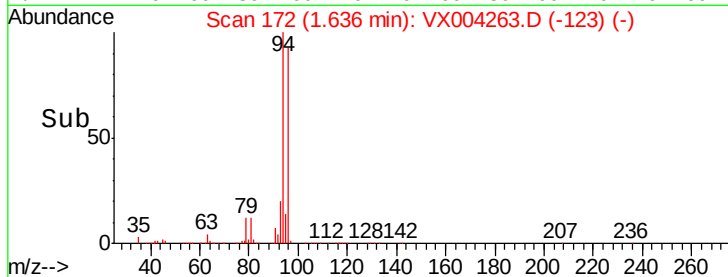
20000

10000

0

Time-->

1.50 1.60 1.70 1.80



#6

Chloroethane

Concen: 21.47 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004263.D

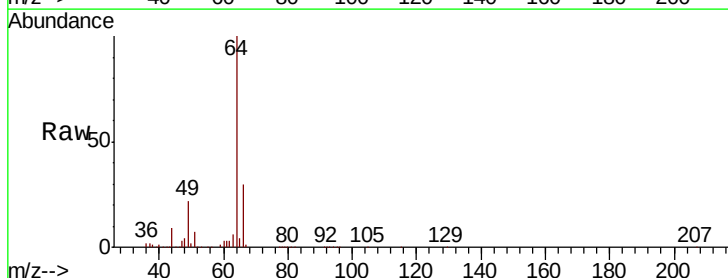
Acq: 27 Aug 2018 14:47

Tgt Ion: 64 Resp: 66582

Ion Ratio Lower Upper

64 100

66 29.9 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

50000

40000

30000

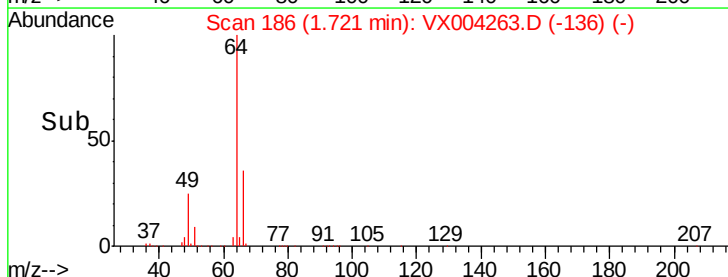
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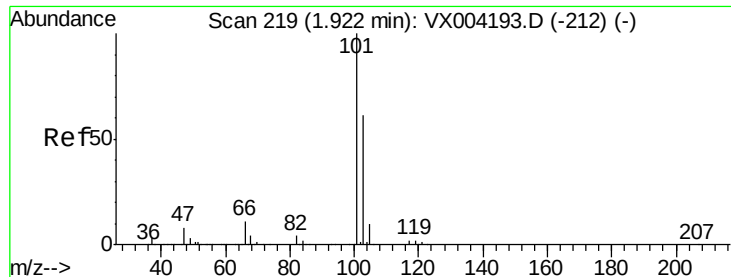
10000

0

Time-->

1.50 1.60 1.70 1.80





#7

Trichlorofluoromethane
Concen: 19.40 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

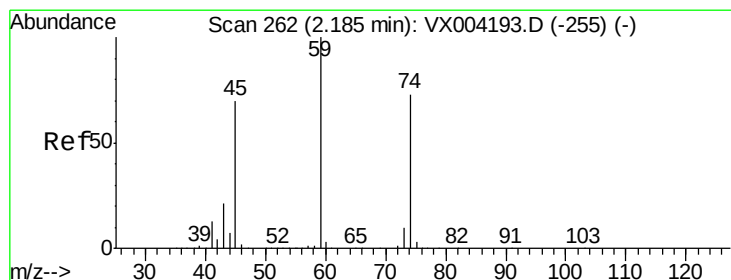
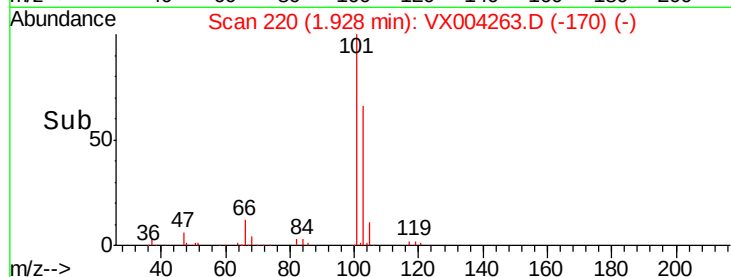
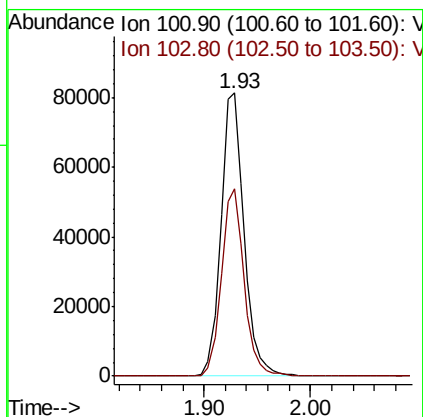
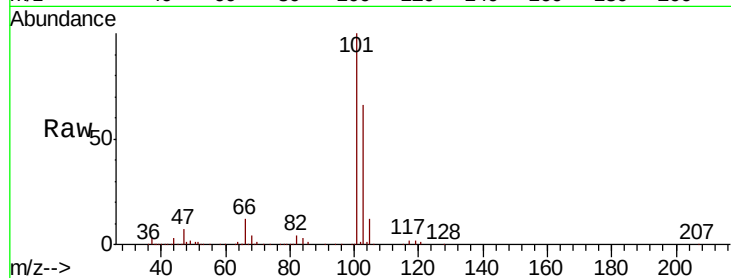
Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.3	78.5

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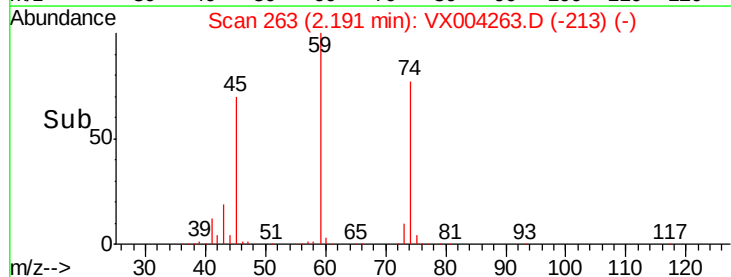
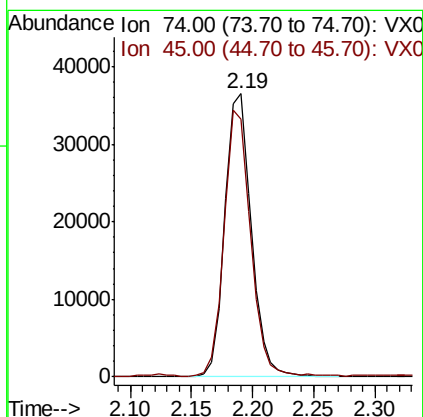
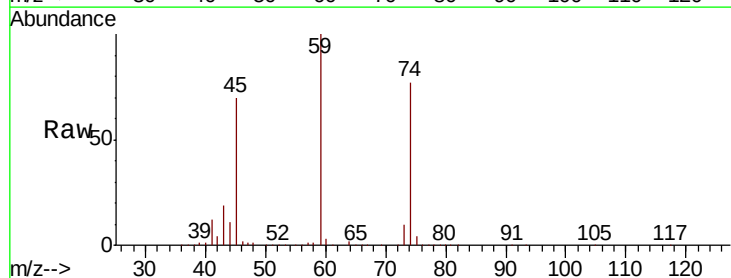
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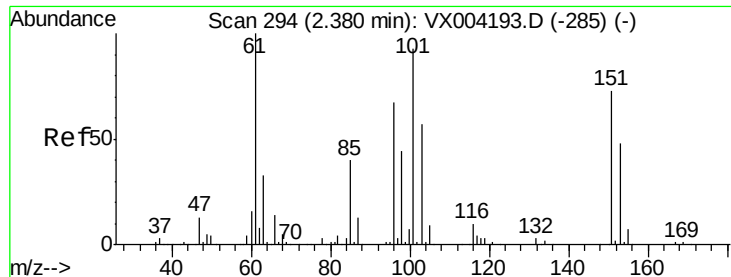


#8

Diethyl Ether
Concen: 20.20 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.01 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.26 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

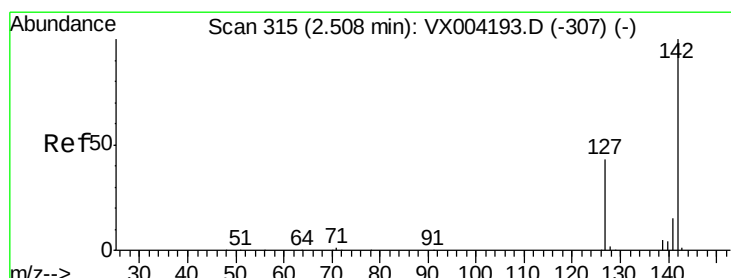
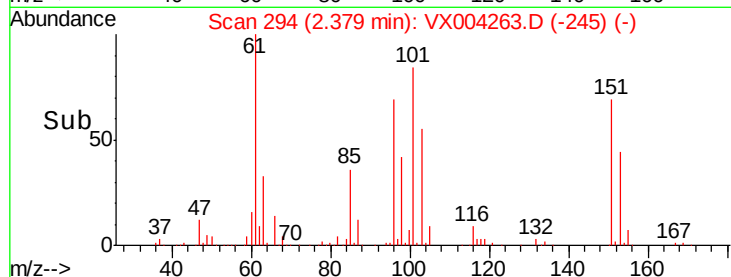
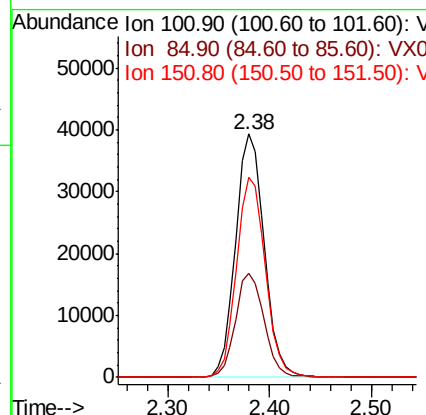
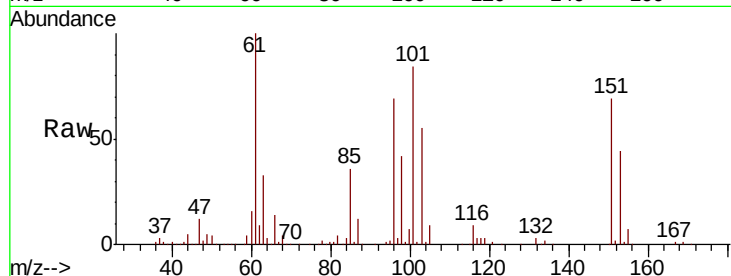
VX0827MBS01

Tot Ion:	101	Resp:	76349
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	82.6	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 17.19 ug/l

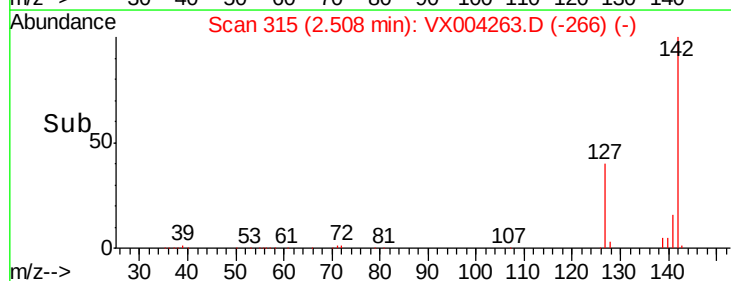
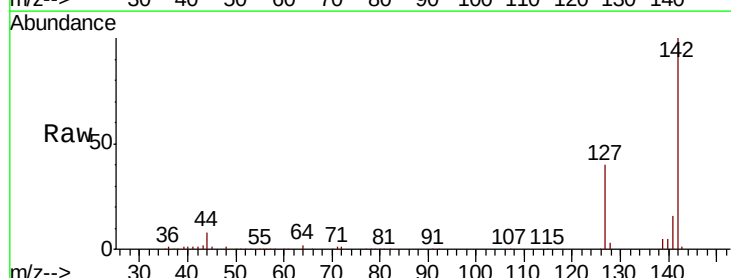
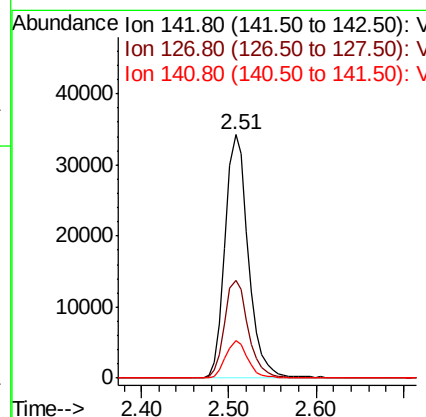
RT: 2.51 min Scan# 315

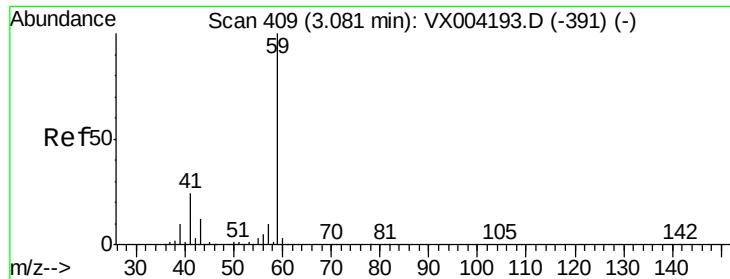
Delta R.T. 0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion:	142	Resp:	63179
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.1	49.7
141	14.8	11.1	16.7





#11
Tert butyl alcohol
Concen: 104.11 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

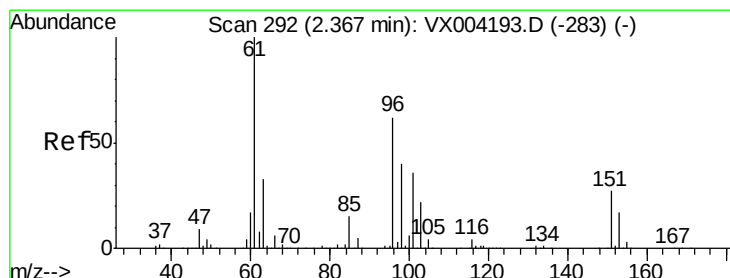
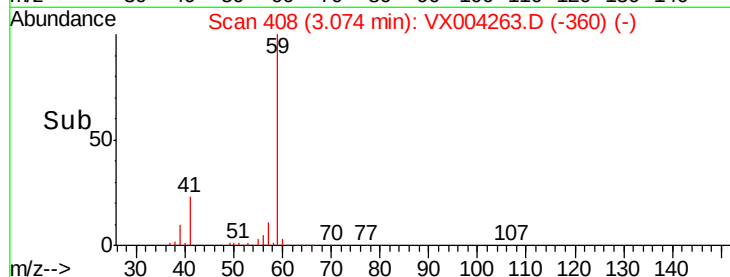
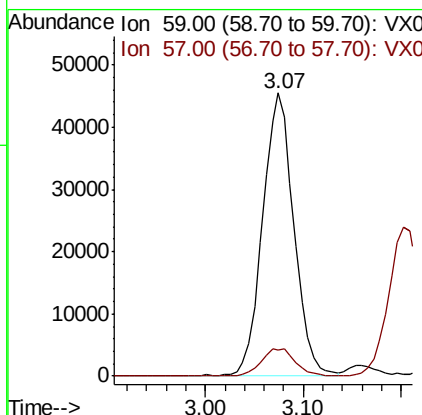
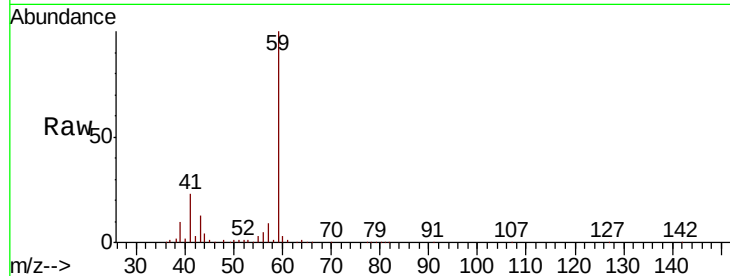
Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

Manual Integrations
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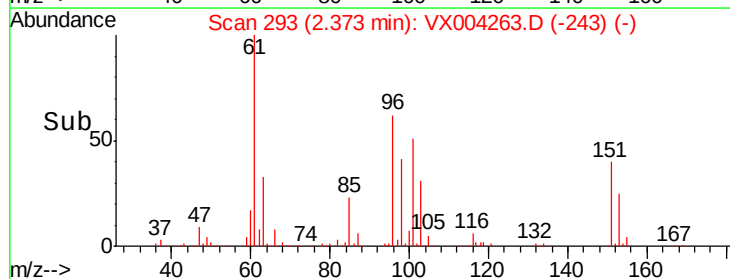
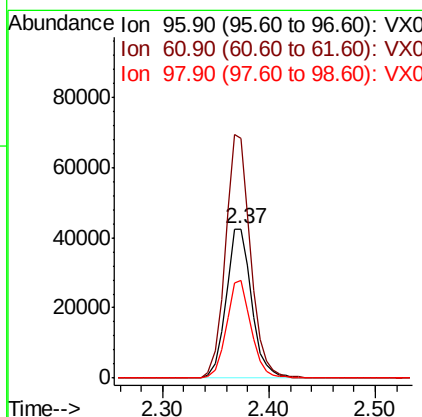
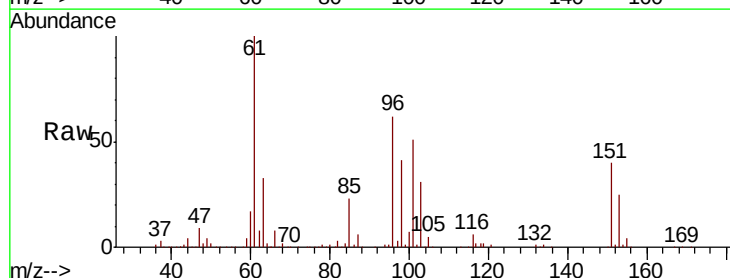
MMDadoda

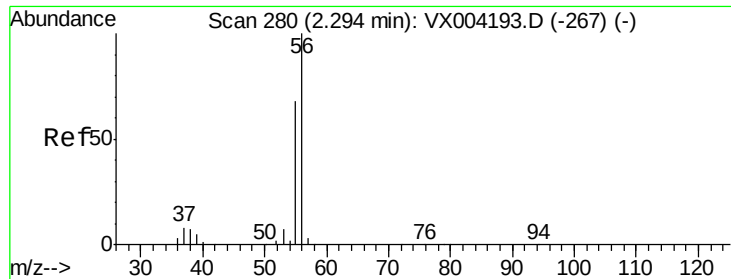
8/28/2018 3:54:20 PM



#12
1,1-Dichloroethene
Concen: 19.08 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	131.3	196.9
98	65.4	51.8	77.6





#13

Acrolein

Concen: 103.30 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 56 Resp: 24384

Ion Ratio Lower Upper

56 100

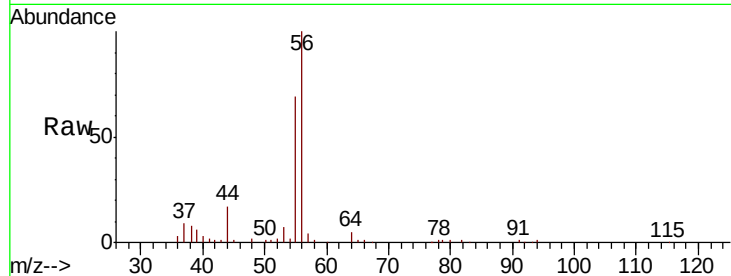
55 69.5 56.1 84.1

Manual Integrations

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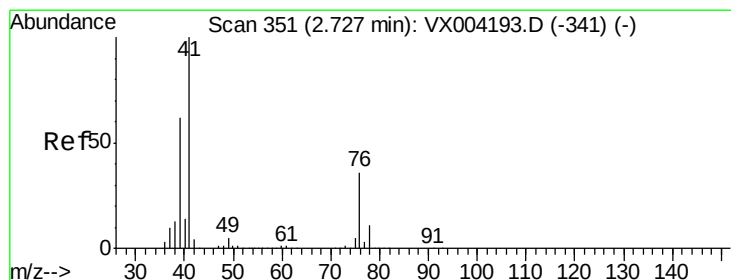
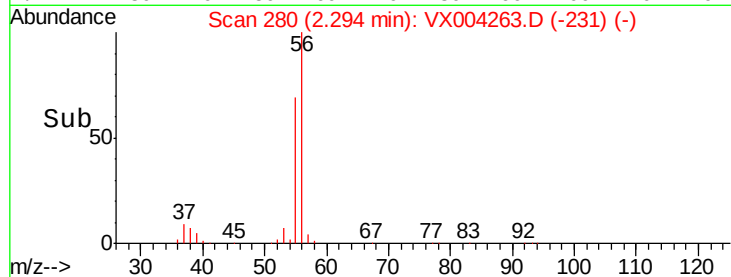
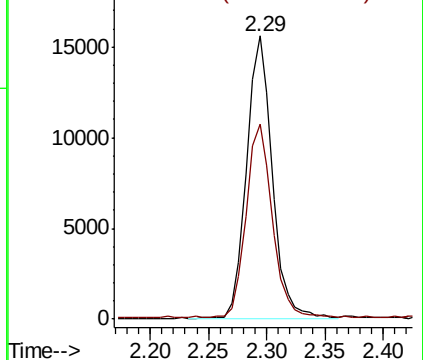
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.27 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

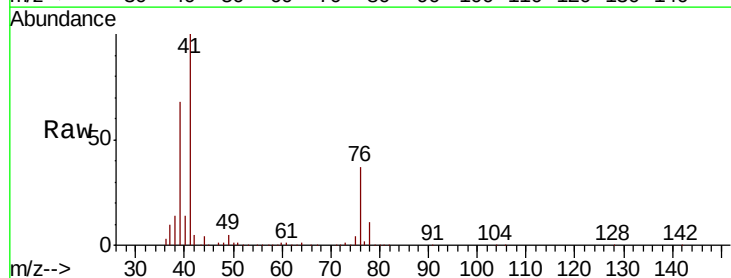
Tgt Ion: 41 Resp: 132184

Ion Ratio Lower Upper

41 100

39 61.3 47.4 71.0

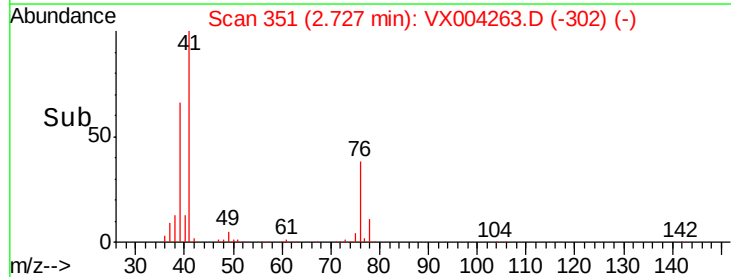
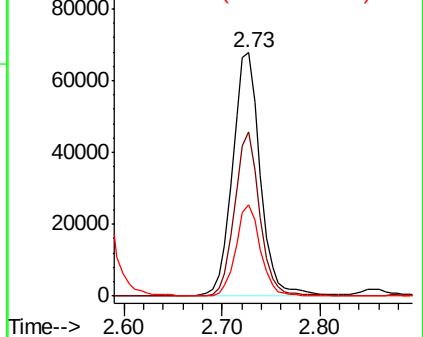
76 33.8 26.0 39.0

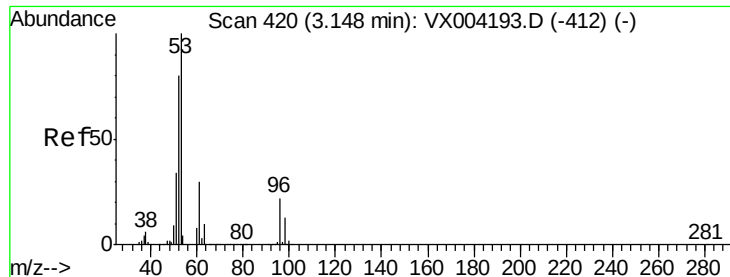


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 94.49 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

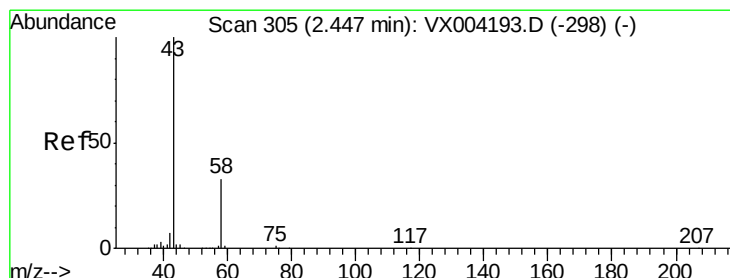
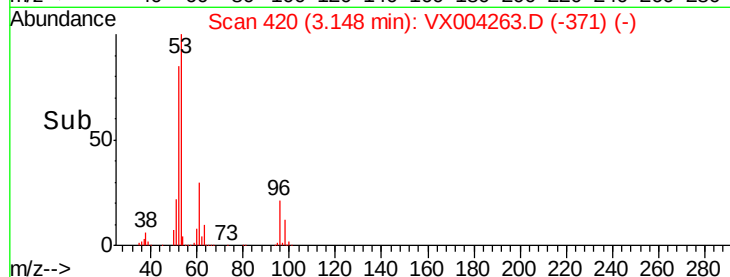
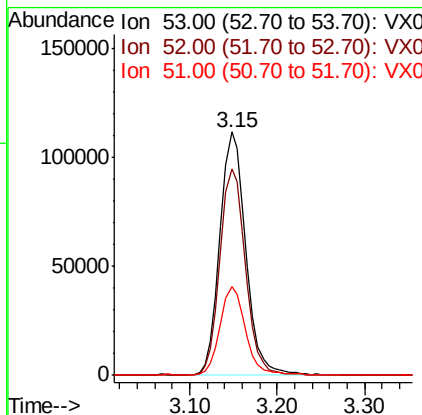
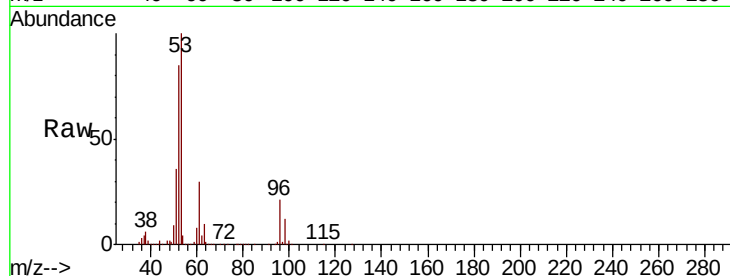
VX0827MBS01

Tot Ion:	53	Resp:	229138
Ion Ratio		Lower	Upper
53	100		
52	83.7	65.3	97.9
51	36.0	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 97.90 ug/l

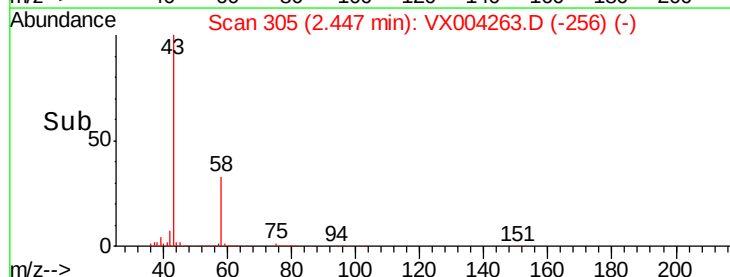
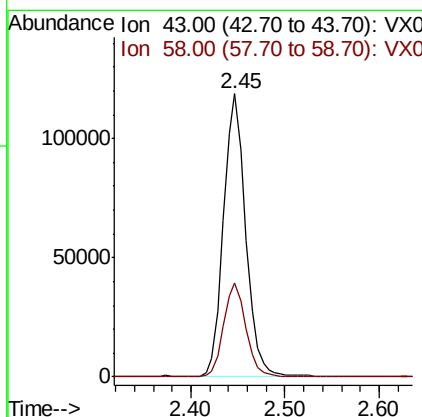
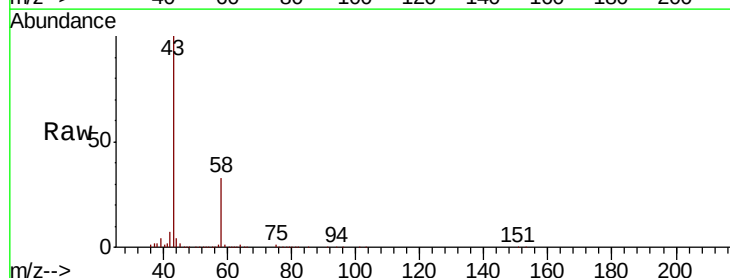
RT: 2.45 min Scan# 305

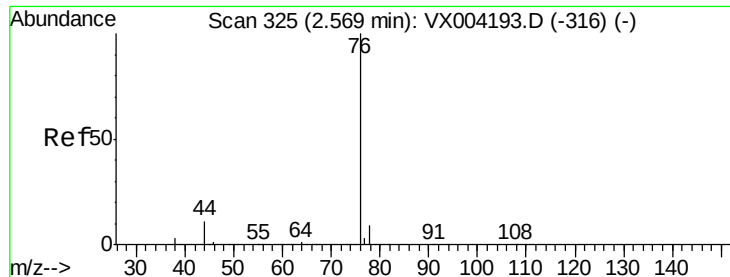
Delta R.T. 0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion:	43	Resp:	192791
Ion Ratio		Lower	Upper
43	100		
58	33.0	26.4	39.6





#17

Carbon Disulfide

Concen: 17.74 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 76 Resp: 178526

Ion Ratio Lower Upper

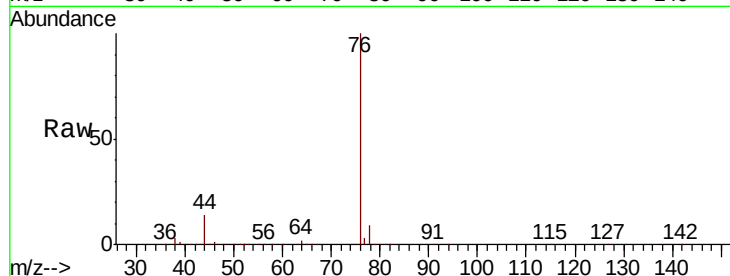
76 100

78 8.7 7.5 11.3

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

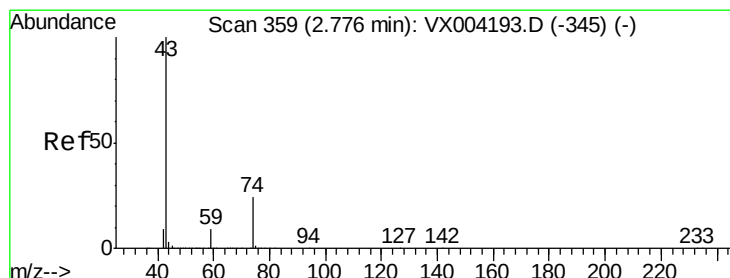
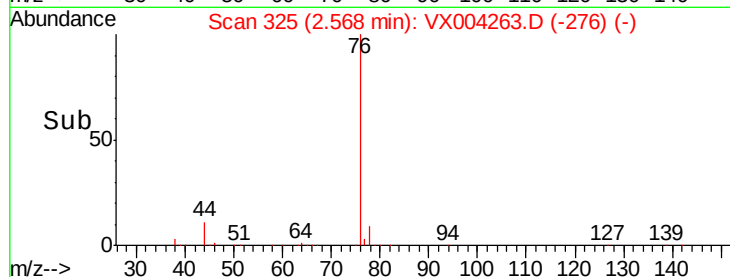
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.65 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004263.D

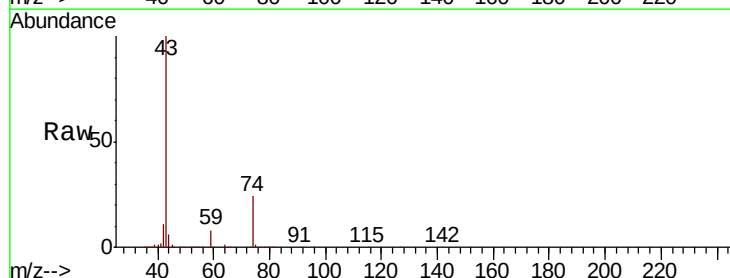
Acq: 27 Aug 2018 14:47

Tgt Ion: 43 Resp: 147560

Ion Ratio Lower Upper

43 100

74 25.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

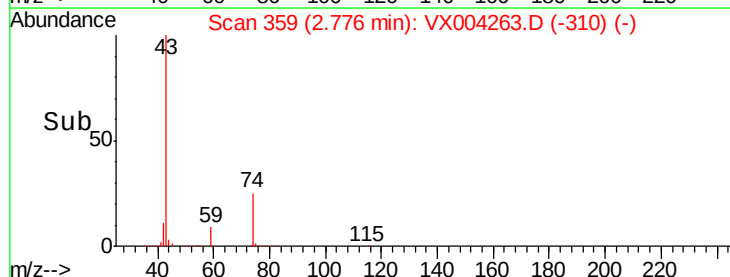
60000

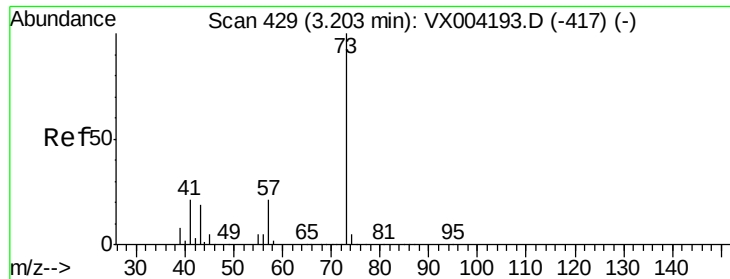
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether
 Concen: 20.37 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

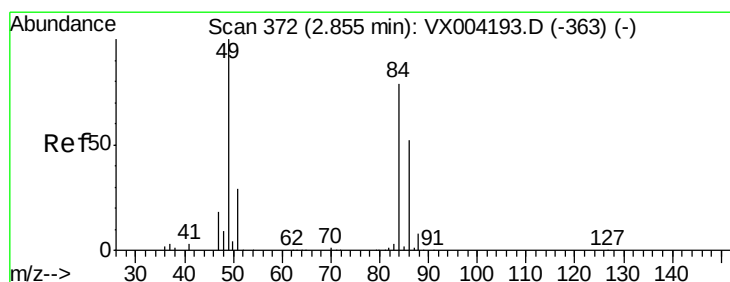
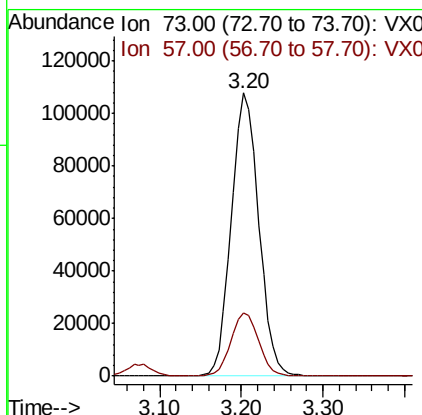
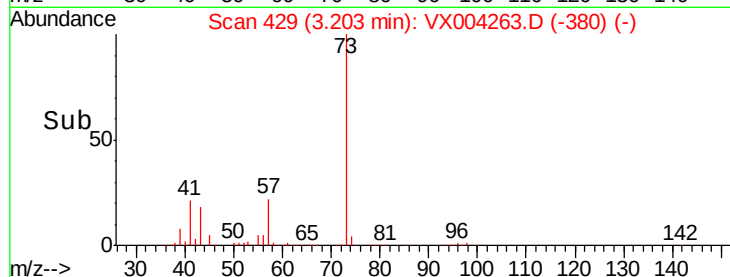
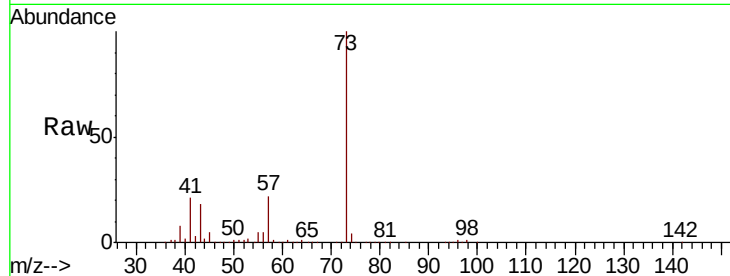
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.0	27.0

Manual Integrations
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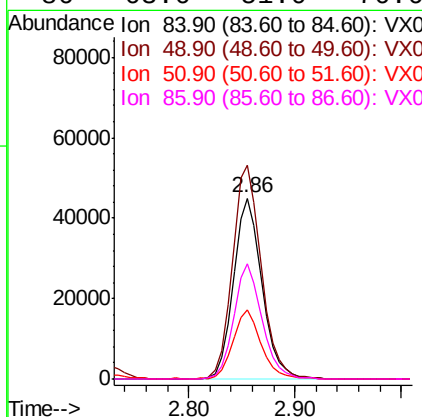
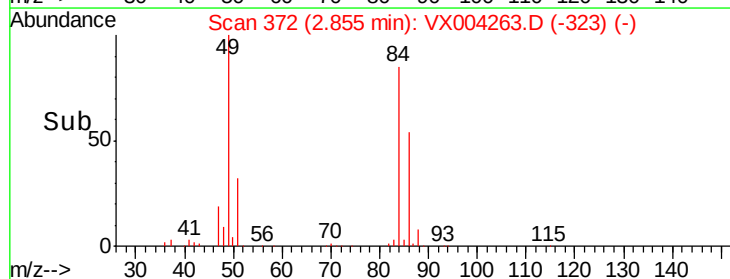
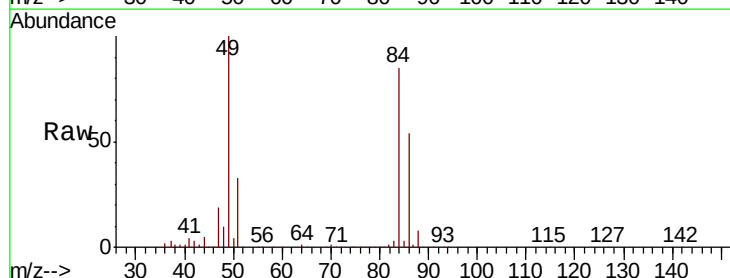
8/28/2018 3:54:20 PM

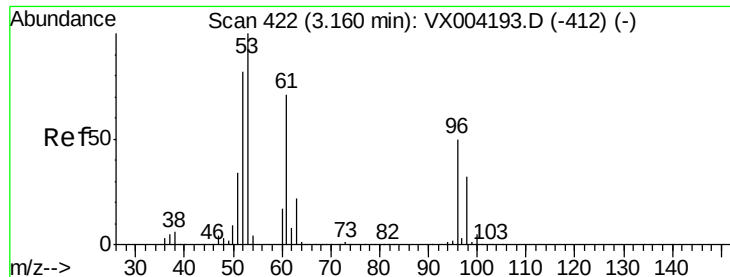


#20

Methylene Chloride
 Concen: 19.10 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	98.9	148.3
51	38.2	29.9	44.9
86	63.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.74 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

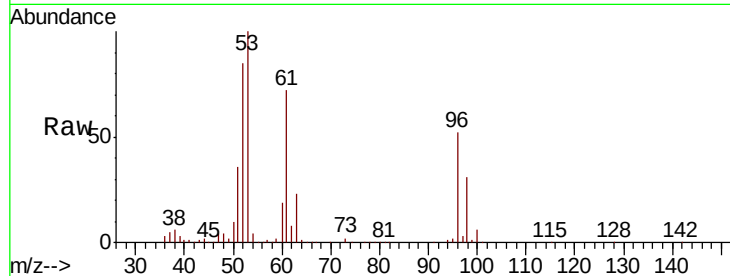
Tot Ion:	96	Resp:	77446
Ion	Ratio	Lower	Upper
96	100		
61	138.7	111.8	167.6
98	60.4	51.8	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

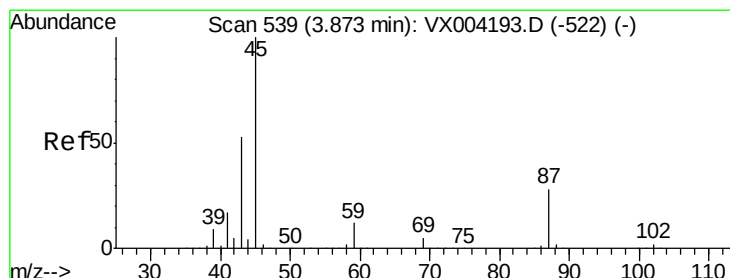
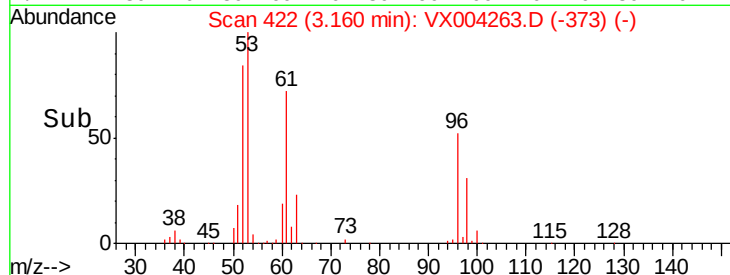
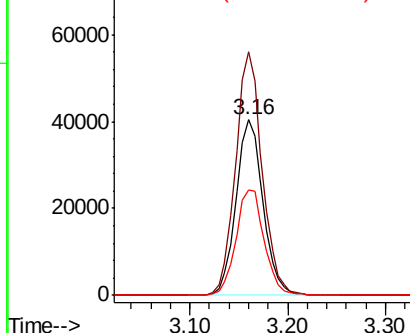
Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.75 ug/l

RT: 3.87 min Scan# 539

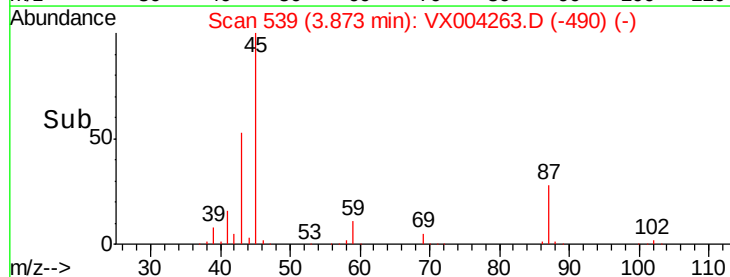
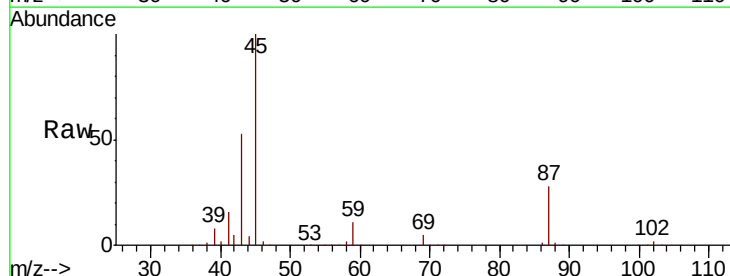
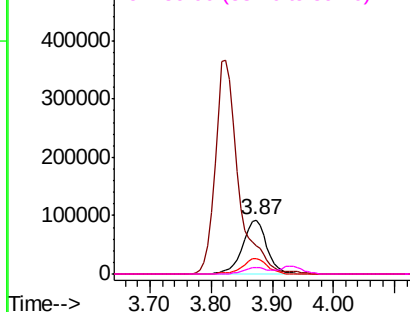
Delta R.T. -0.00 min

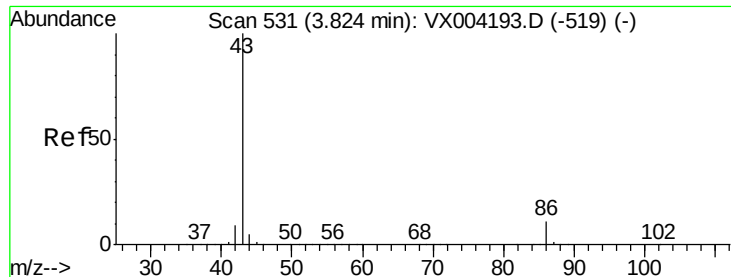
Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion:	45	Resp:	252924
Ion	Ratio	Lower	Upper
45	100		
43	52.6	45.3	67.9
87	27.8	22.7	34.1
59	11.4	9.6	14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.62 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 43 Resp: 982200

Ion Ratio Lower Upper

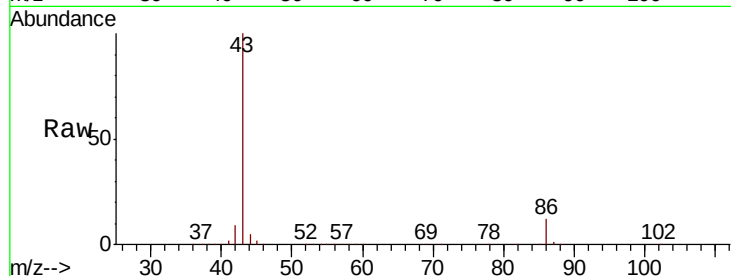
43 100

86 11.7 8.9 13.3

Manual Integrations
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MMDadoda

8/28/2018 3:54:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

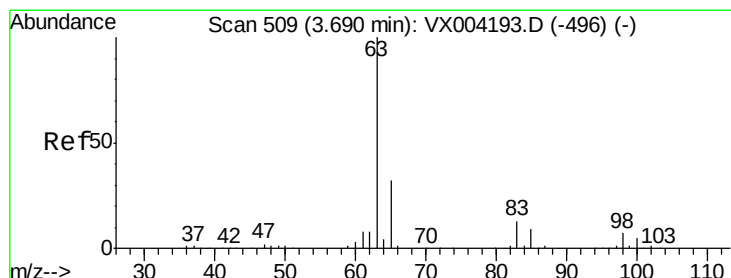
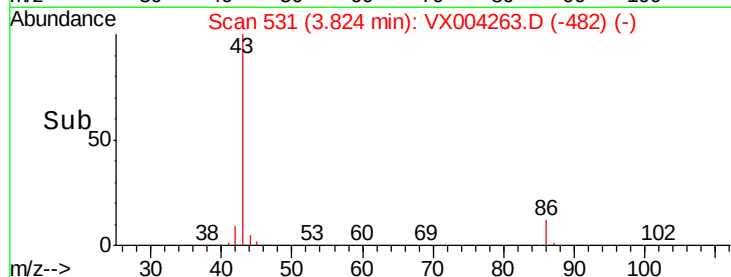
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 19.43 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

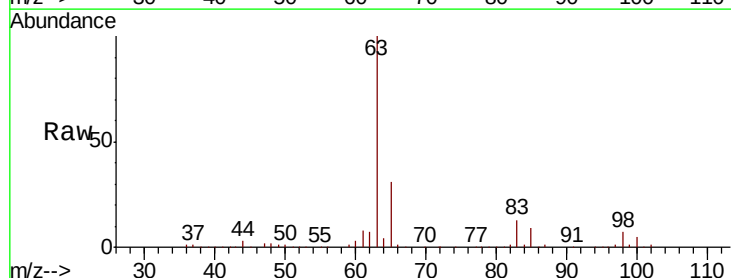
Tgt Ion: 63 Resp: 145029

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

100 4.8 2.3 6.8



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

80000

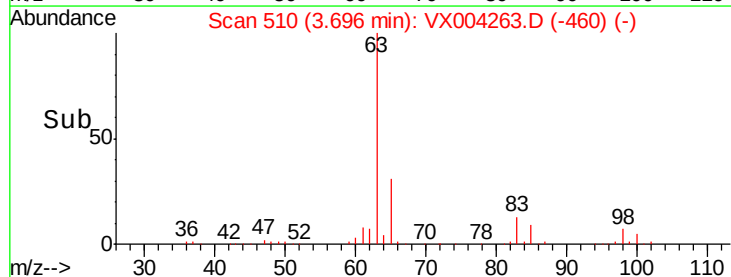
60000

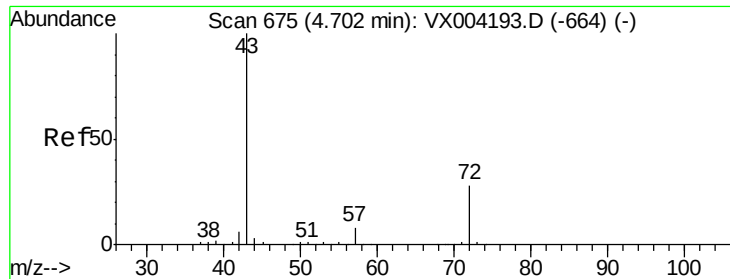
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 98.03 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 43 Resp: 307053

Ion Ratio Lower Upper

43 100

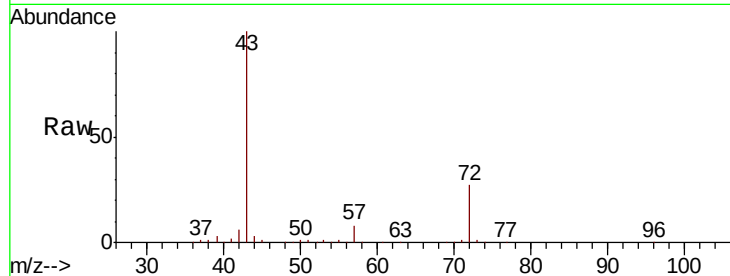
72 26.6 21.4 32.0

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

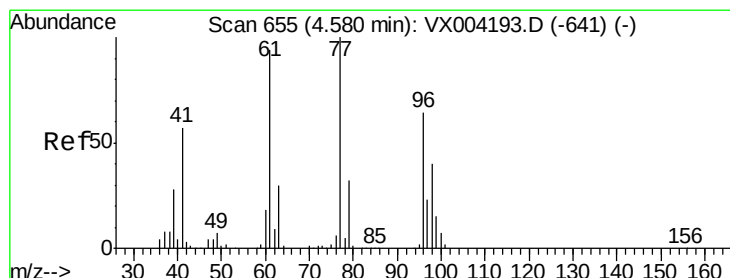
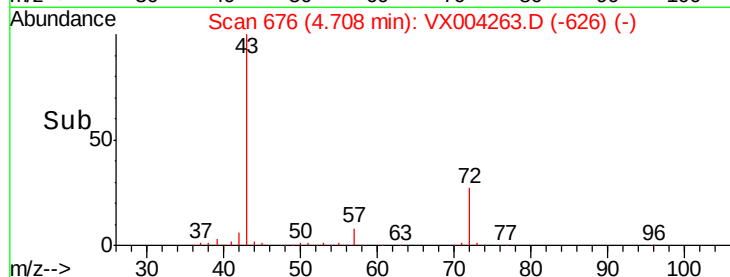
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.86 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004263.D

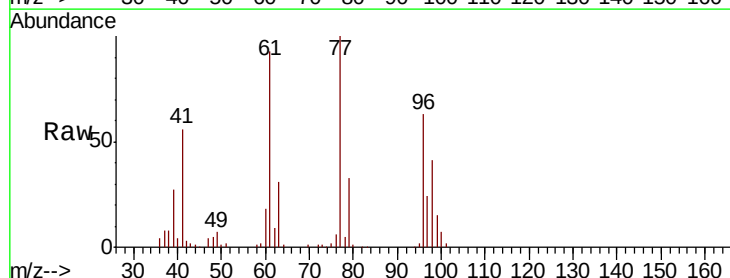
Acq: 27 Aug 2018 14:47

Tgt Ion: 77 Resp: 110413

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

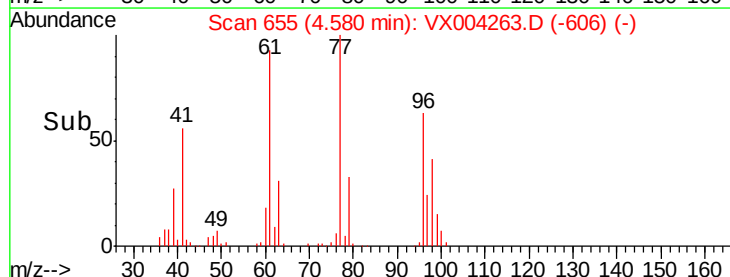
20000

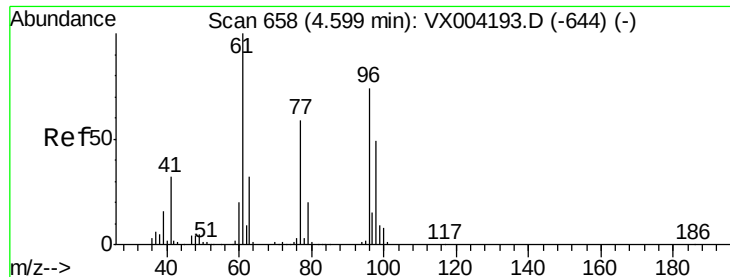
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene
 Concen: 18.95 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

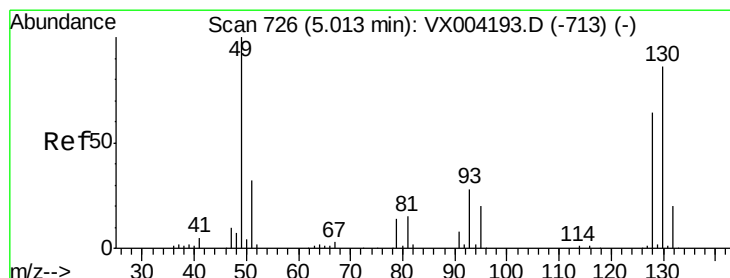
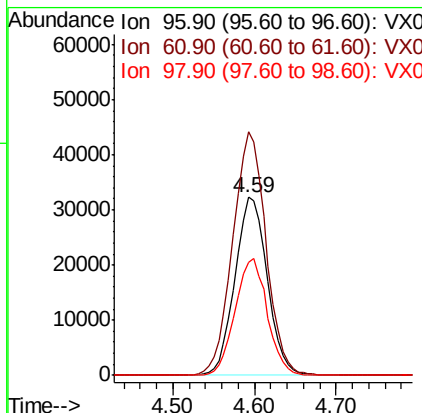
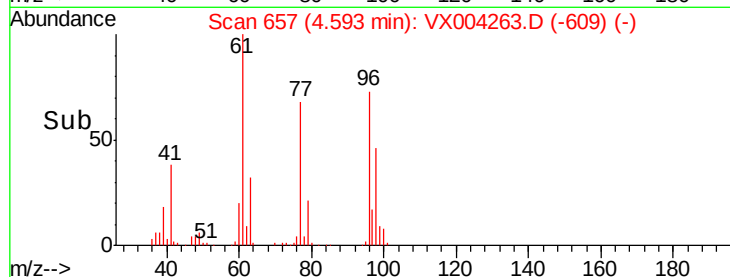
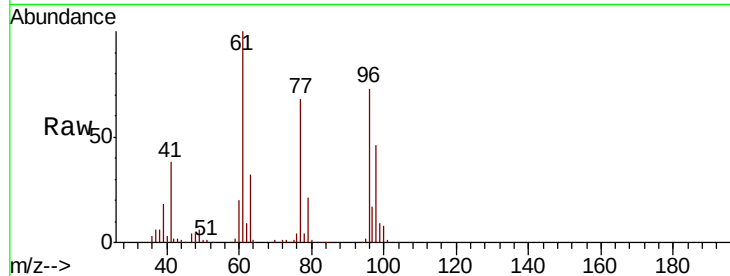
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	88819		
61	141.0	0.0	293.0	
98	65.1	0.0	131.8	

Manual Integrations
 APPROVED

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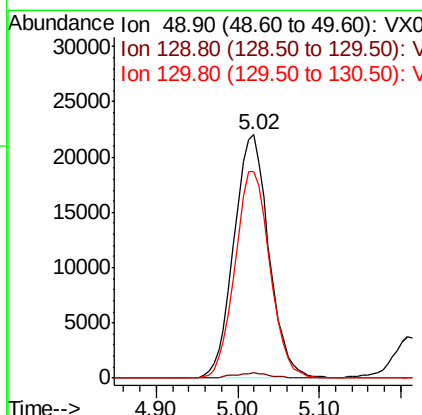
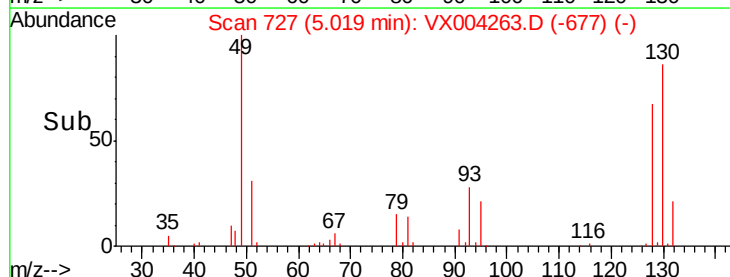
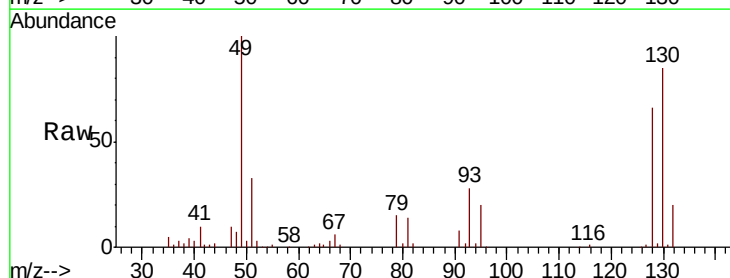
8/28/2018 3:54:20 PM

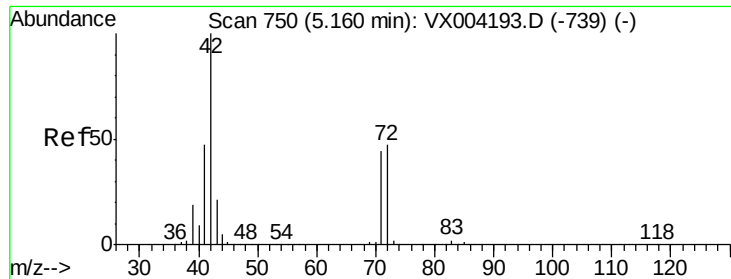


#28

Bromochloromethane
 Concen: 19.76 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65313		
129	2.1	0.0	4.2	
130	85.0	66.5	99.7	





#29

Tetrahydrofuran

Concen: 99.17 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

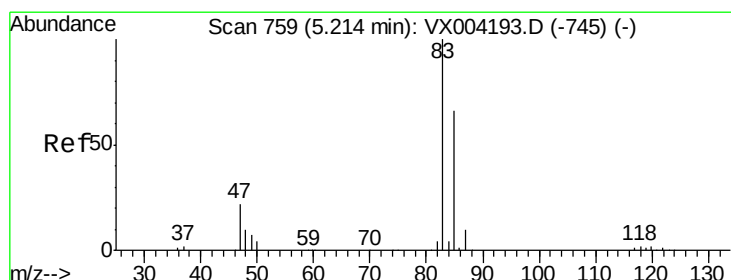
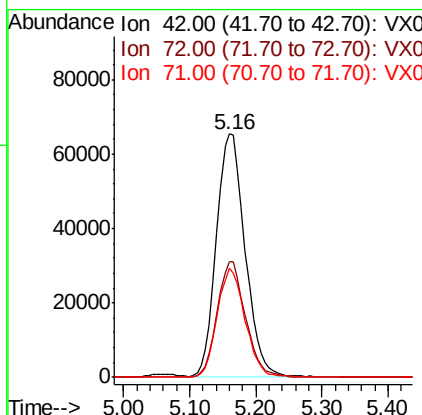
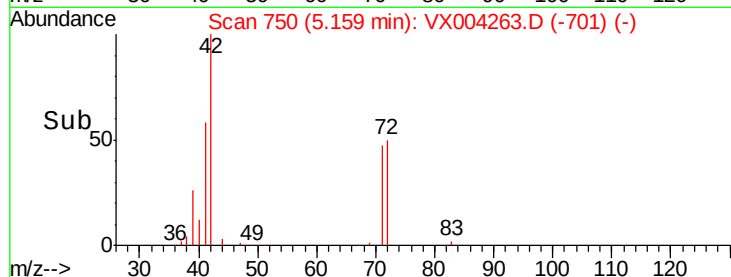
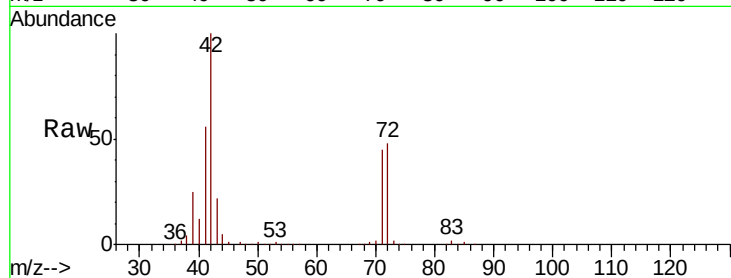
VX0827MBS01

Tot Ion:	42	Resp:	195718
Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.7	56.5
71	44.0	35.0	52.6

Manual Integrations
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#30

Chloroform

Concen: 19.42 ug/l

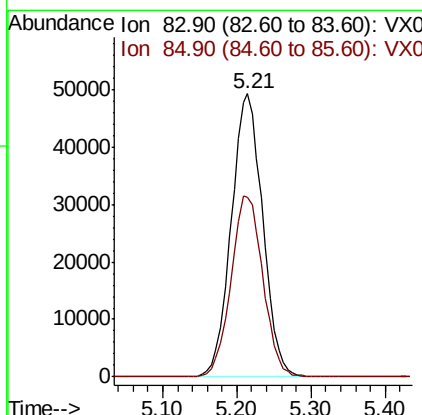
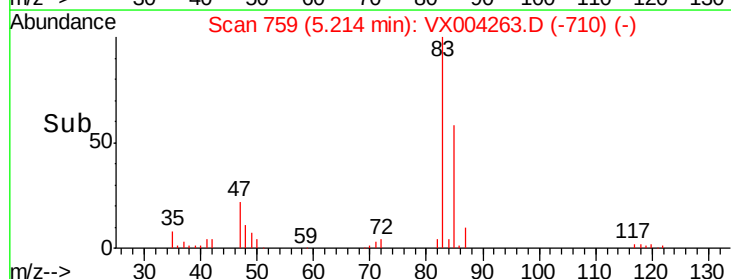
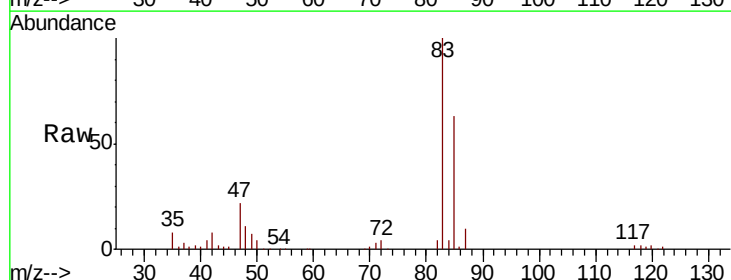
RT: 5.21 min Scan# 759

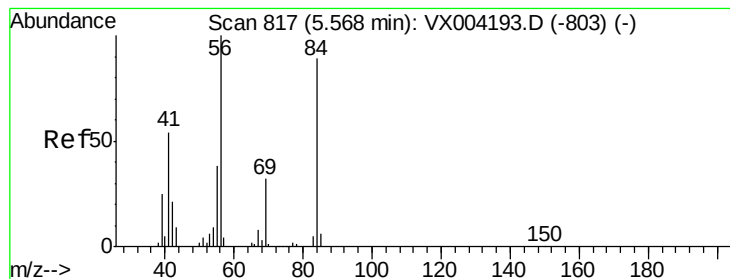
Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion:	83	Resp:	145319
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.7	76.1





#31

Cyclohexane

Concen: 19.42 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 56 Resp: 125090

Ion Ratio Lower Upper

56 100

69 31.2 24.9 37.3

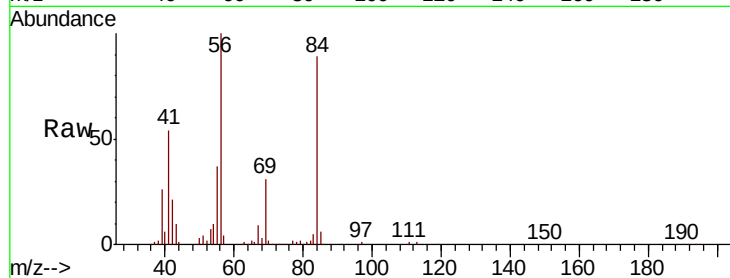
84 88.0 71.7 107.5

Manual Integrations

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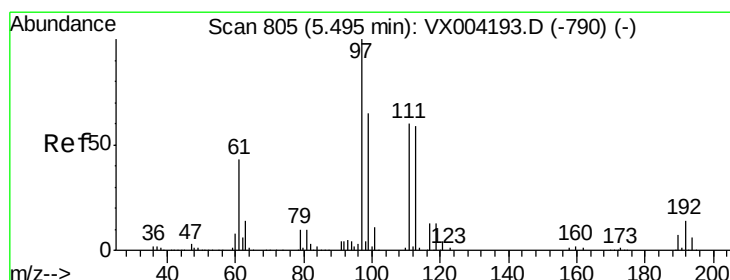
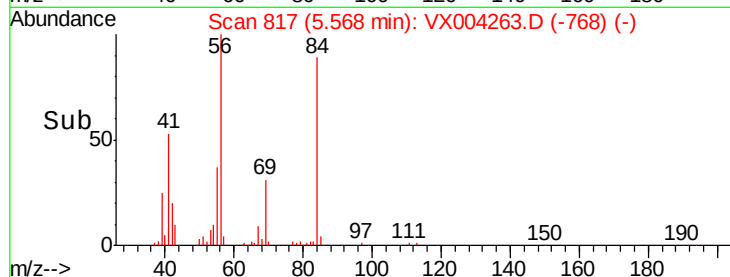
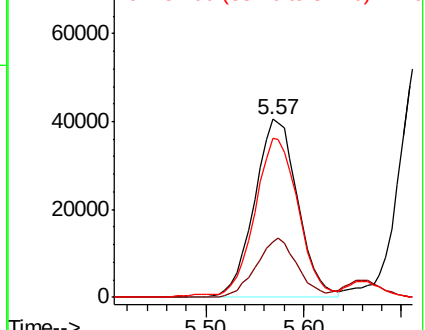
8/28/2018 3:54:20 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.54 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

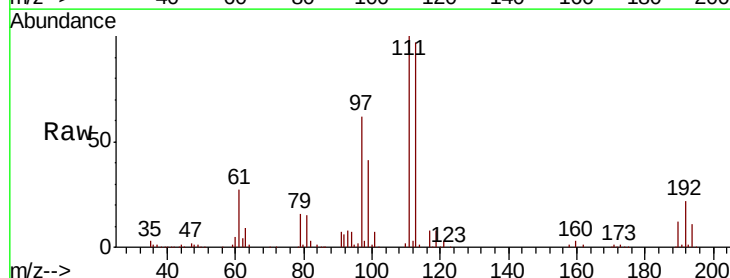
Tgt Ion: 97 Resp: 121927

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

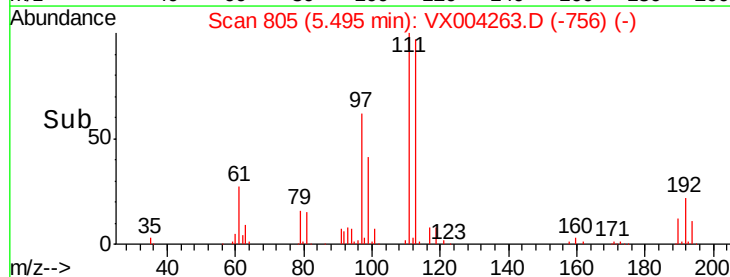
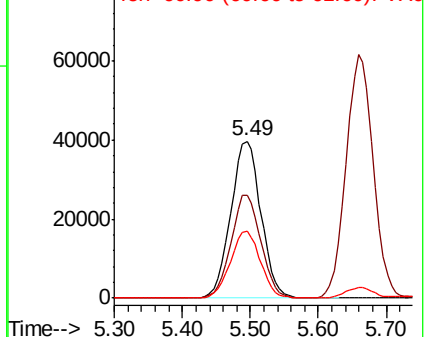
61 42.6 34.4 51.6

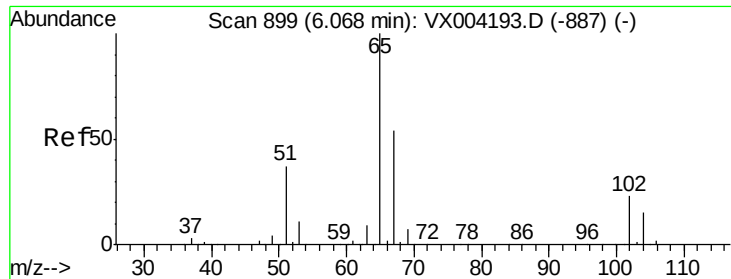


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33
 1,2-Dichloroethane-d4
 Concen: 47.56 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

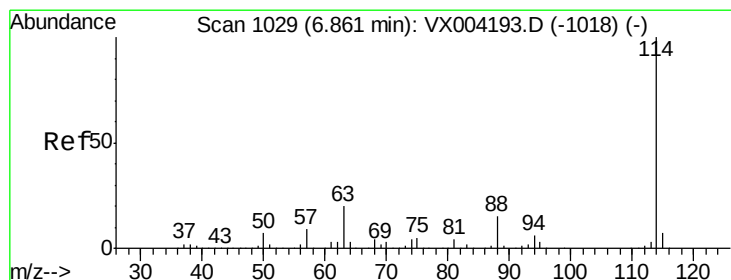
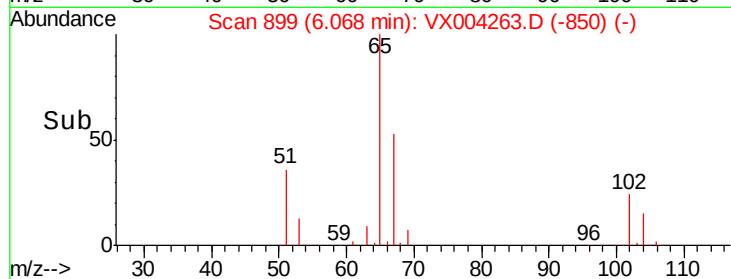
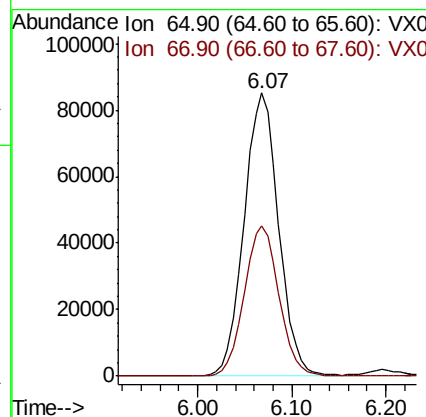
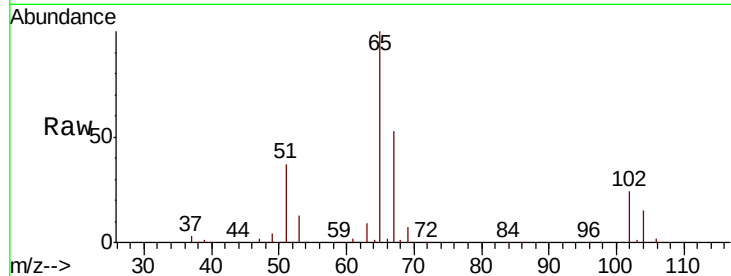
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218480		
67	53.3	0.0	105.8	

Manual Integrations
 APPROVED

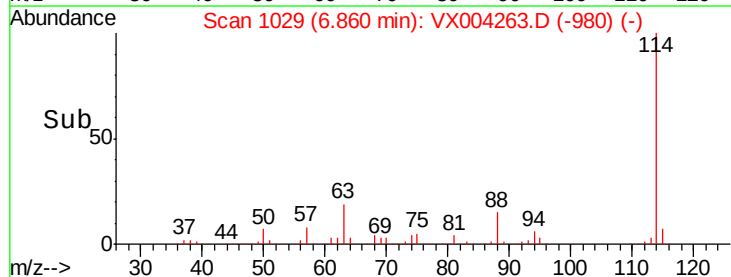
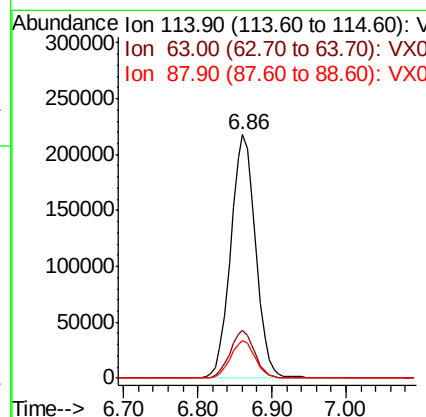
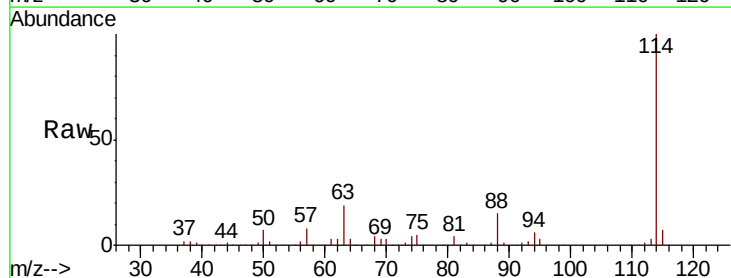
MMDadoda

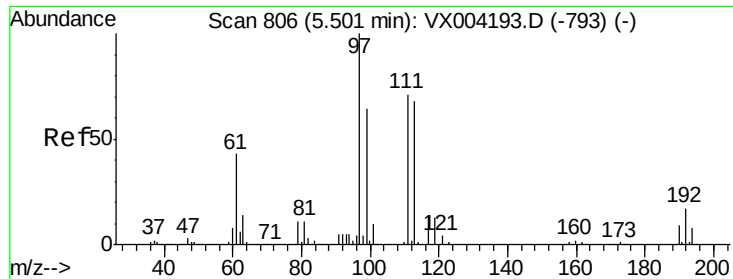
8/28/2018 3:54:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	507535		
63	19.4	0.0	39.0	
88	15.3	0.0	32.0	





#35
 Dibromofluoromethane
 Concen: 49.16 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

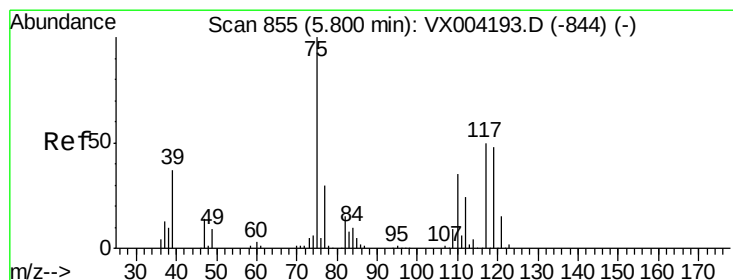
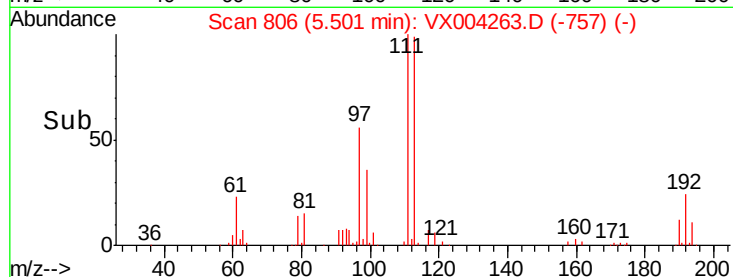
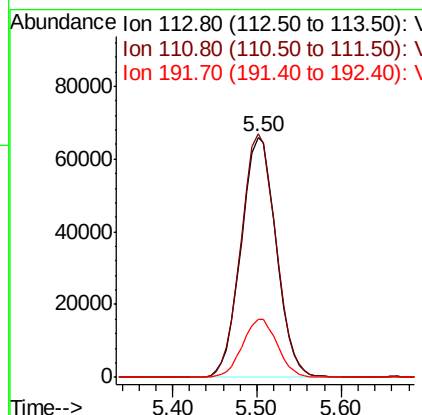
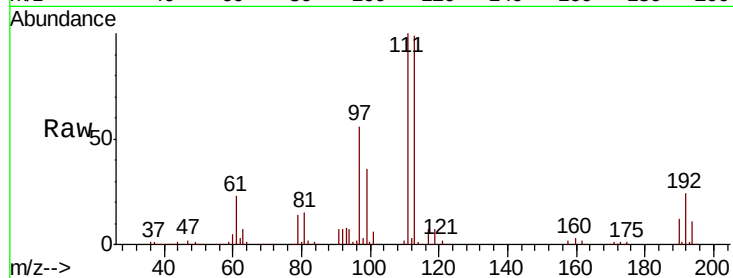
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion:	113	Resp:	185631
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.0	123.0
192	24.2	19.0	28.4

Manual Integrations
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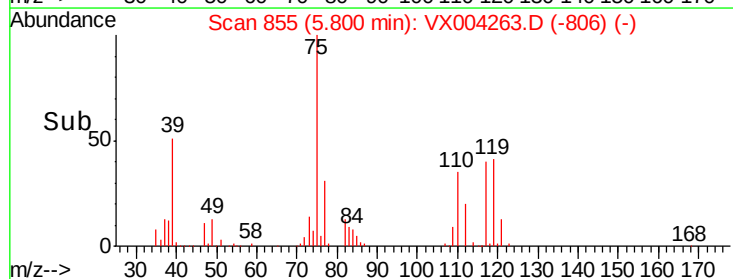
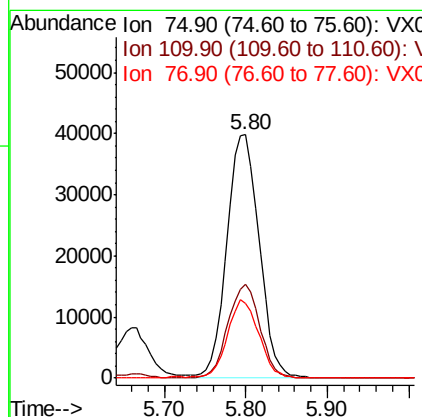
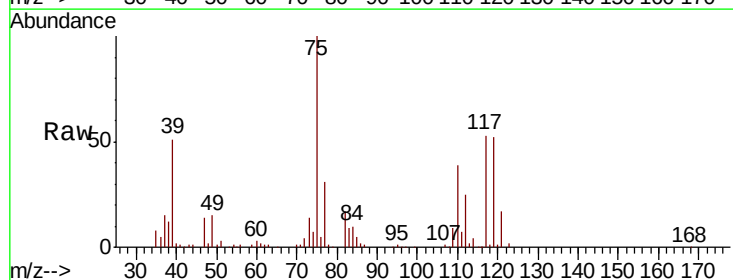
MMDadoda

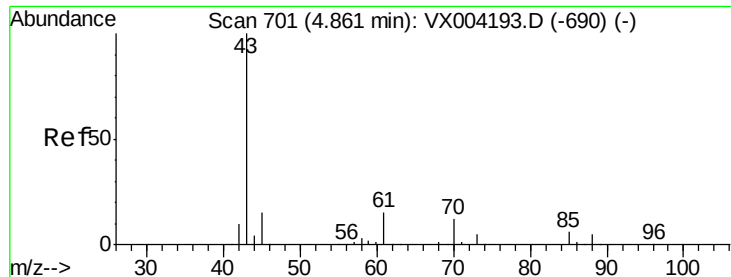
8/28/2018 3:54:20 PM



#36
 1,1-Dichloropropene
 Concen: 19.06 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion:	75	Resp:	108776
Ion Ratio	Lower	Upper	
75	100		
110	38.2	18.2	54.6
77	31.4	25.0	37.4





#37
Ethyl Acetate
Concen: 20.20 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

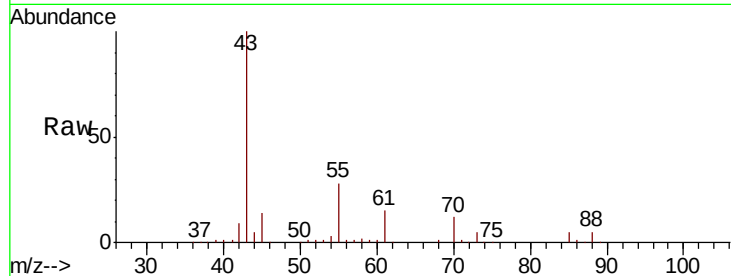
Instrument :
MSVOA_X
ClientSampled :
VX0827MBS01

Tot Ion:	43	Resp:	113348
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.6	9.0	13.4

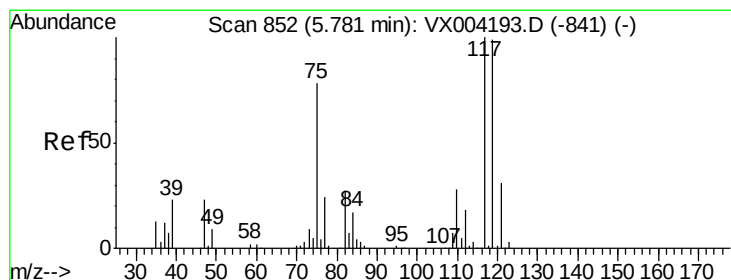
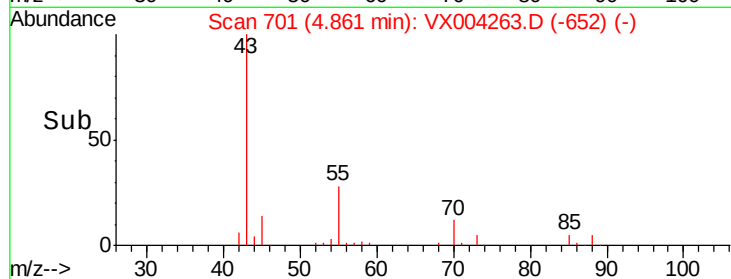
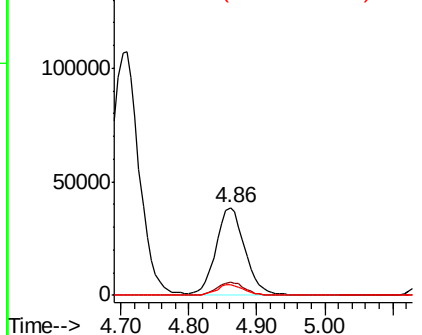
Manual Integrations
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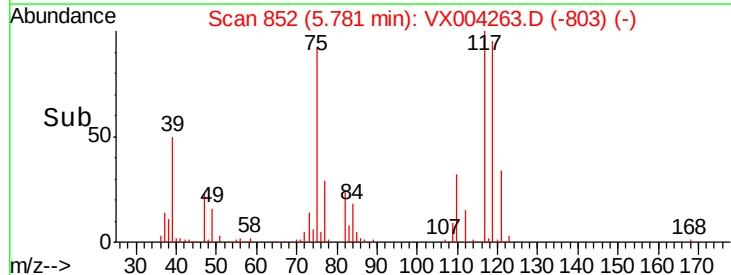
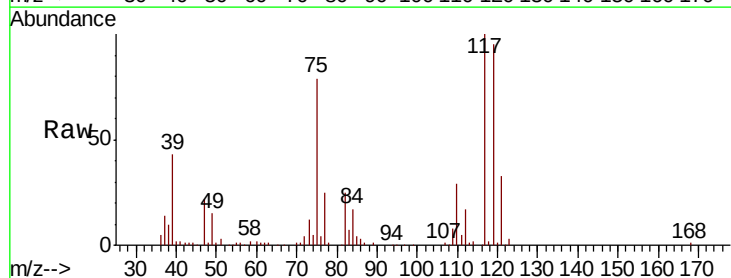
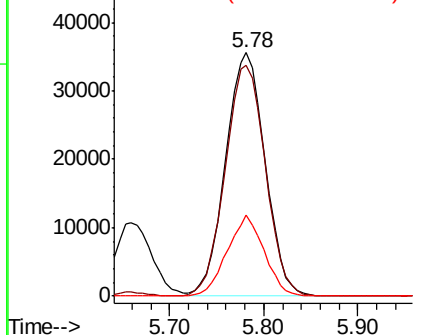
Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

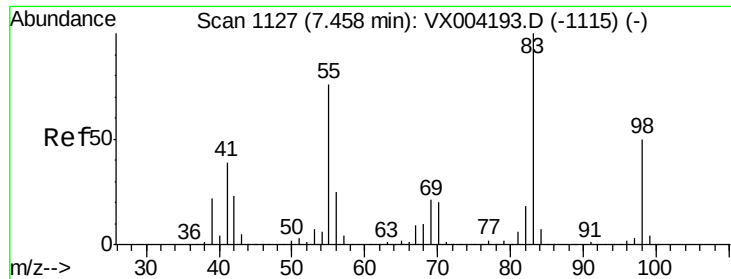


#38
Carbon Tetrachloride
Concen: 19.28 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion:	117	Resp:	103495
Ion	Ratio	Lower	Upper
117	100		
119	94.9	79.5	119.3
121	33.2	25.0	37.4

Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39
Methylvlcyclohexane
Concen: 19.07 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

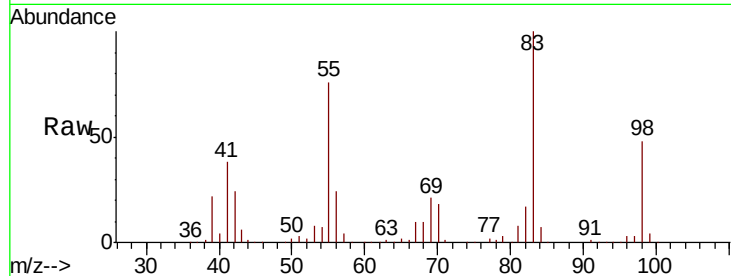
Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	83	Resp	124246
Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.0	91.6
98	48.2	38.6	57.8

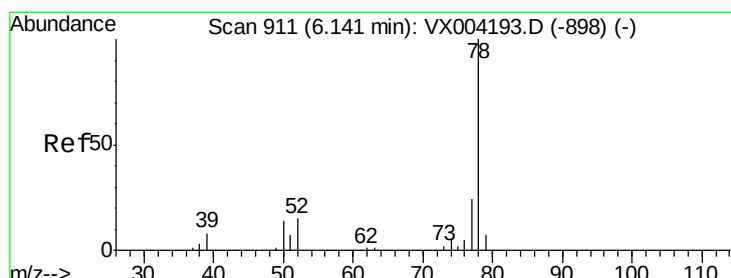
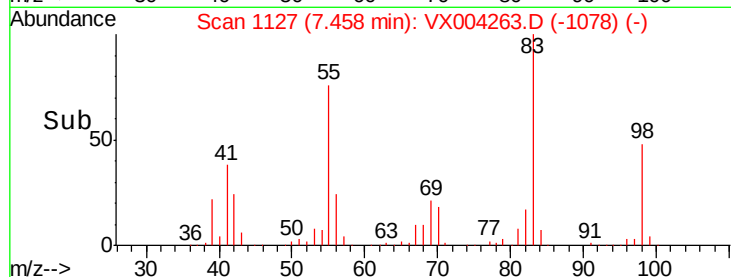
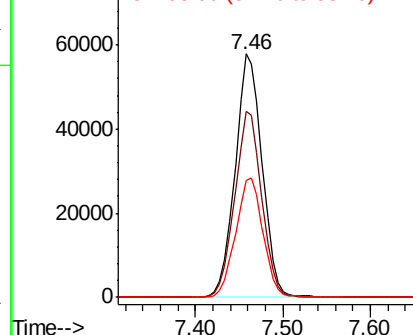
Manual Integrations
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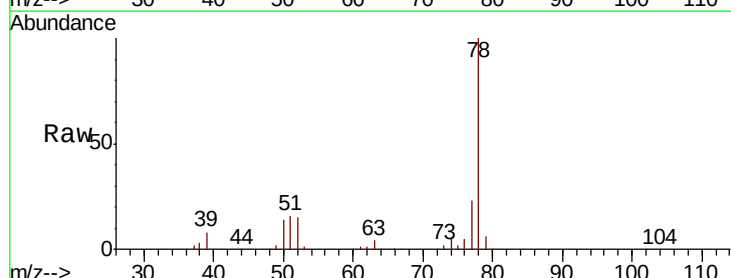


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

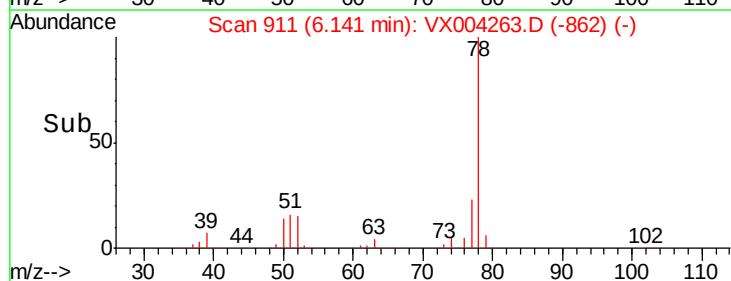
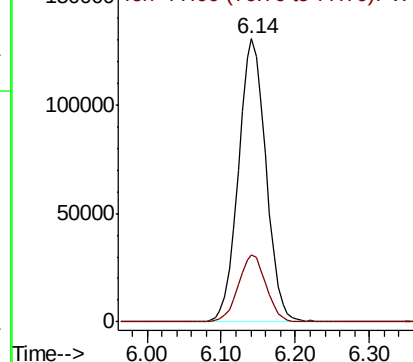


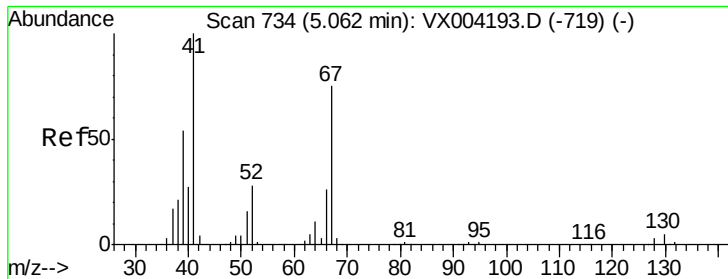
#40
Benzene
Concen: 19.81 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion	78	Resp	337799
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.93 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

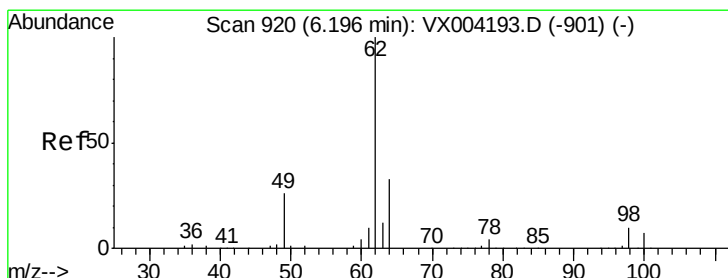
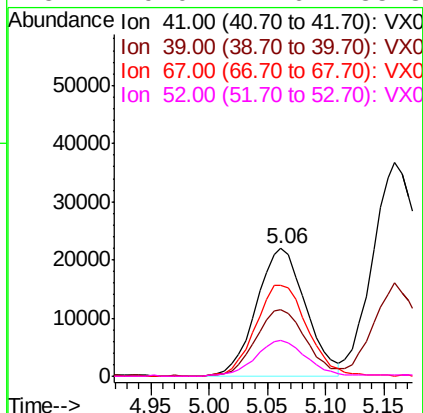
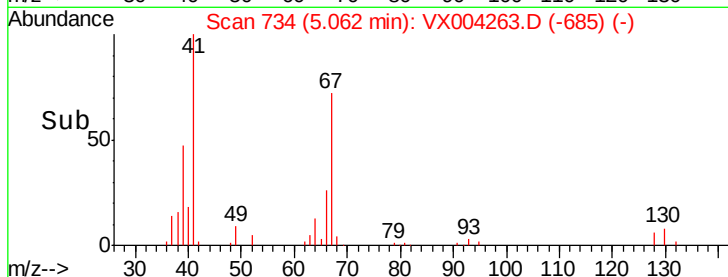
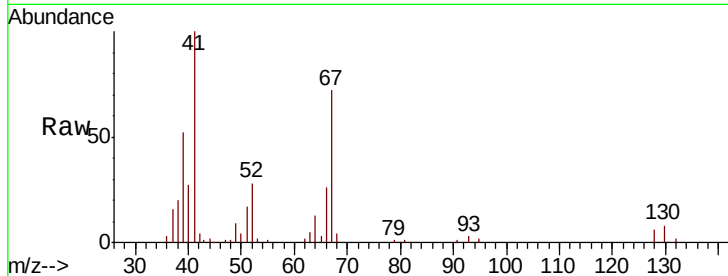
VX0827MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.7	64.1	
67	75.1	58.9	88.3	
52	29.0	22.6	33.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.50 ug/l

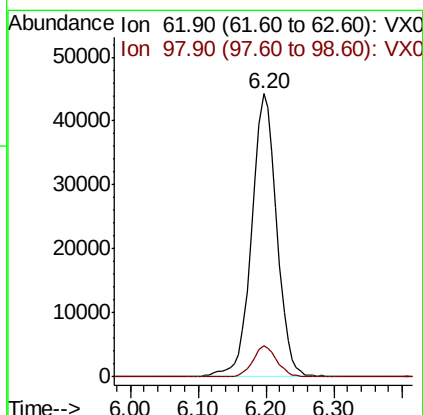
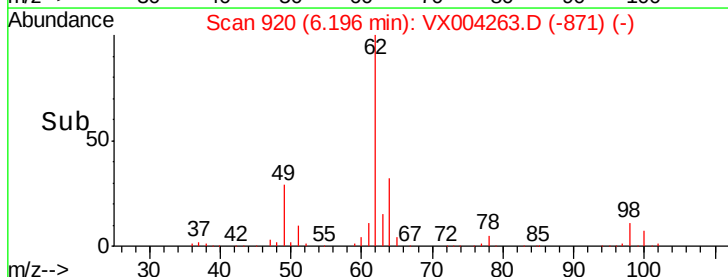
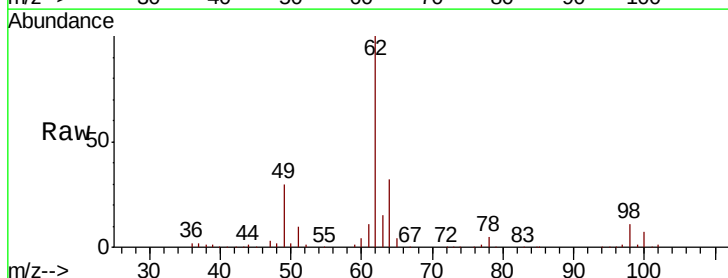
RT: 6.20 min Scan# 920

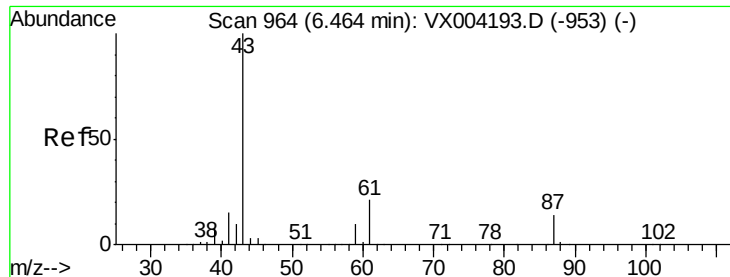
Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.4	





#43

Isopropyl Acetate

Concen: 20.16 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

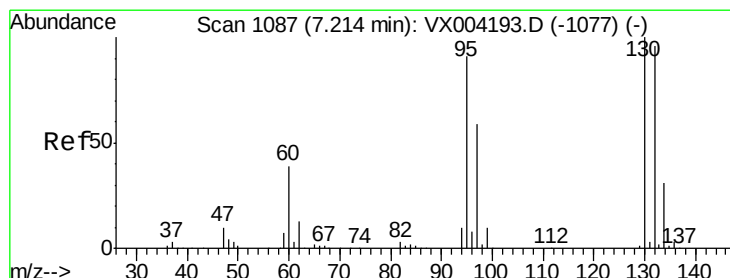
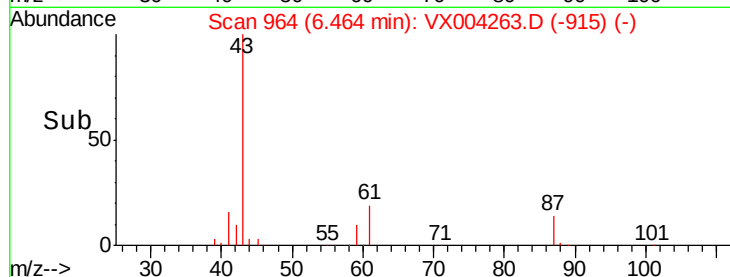
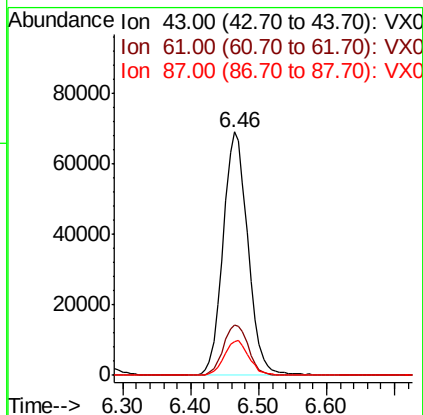
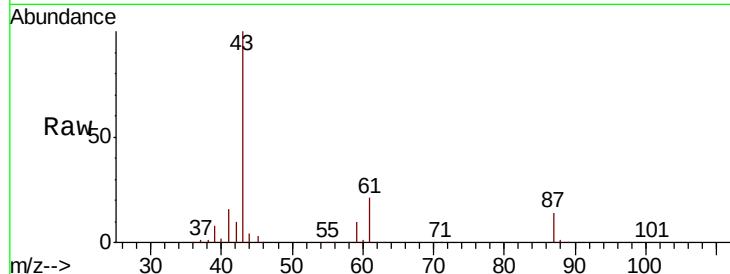
VX0827MBS01

Tot Ion:	43	Resp:	173853
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.9	25.3
87	14.3	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.27 ug/l

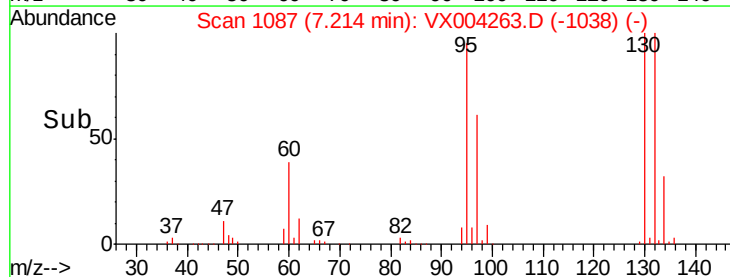
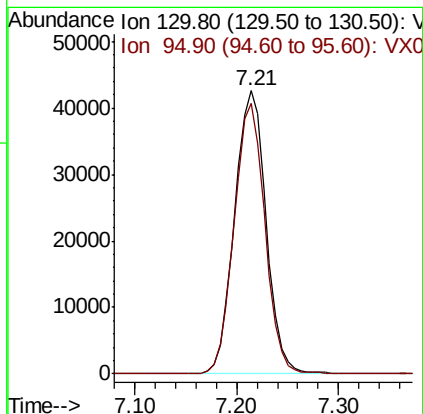
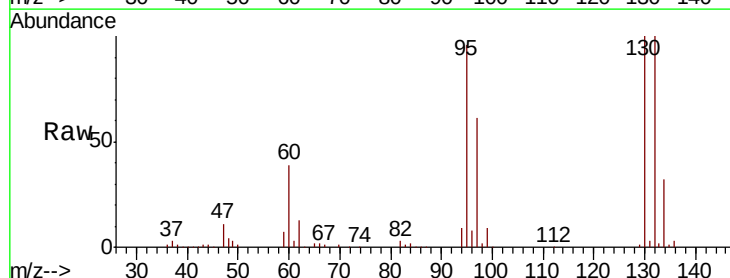
RT: 7.21 min Scan# 1087

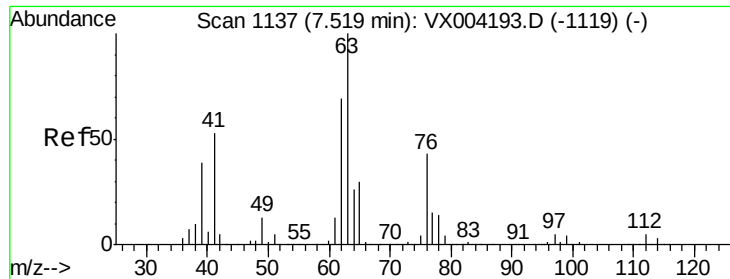
Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion:	130	Resp:	90957
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	199.4





#45
 1,2-Dichloropropane
 Concen: 20.08 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

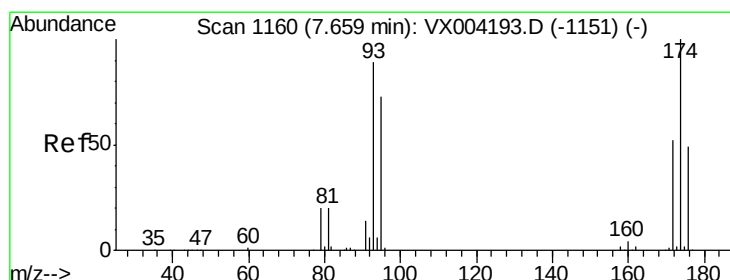
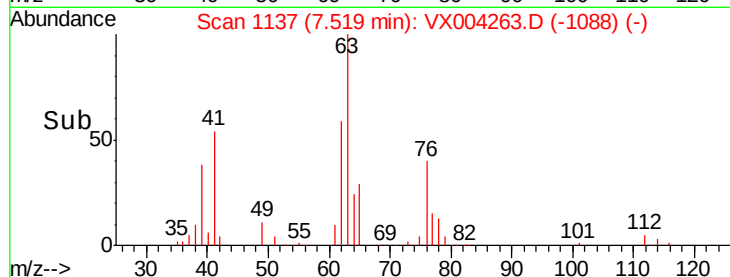
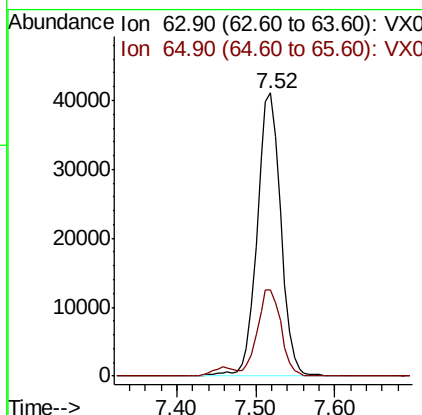
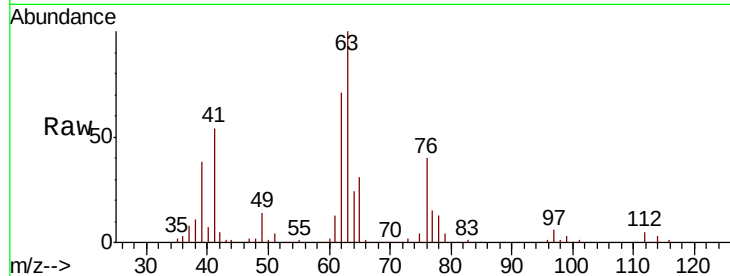
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.6	36.8

Manual Integrations
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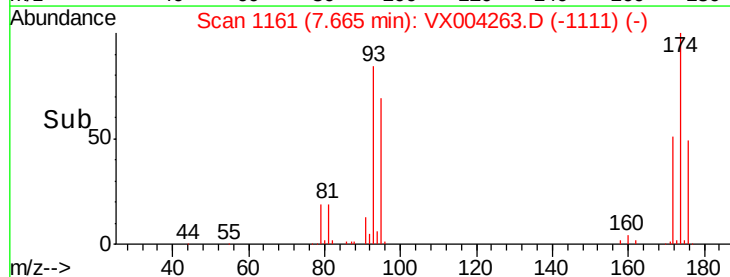
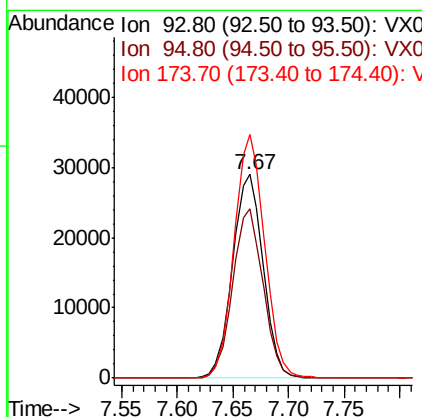
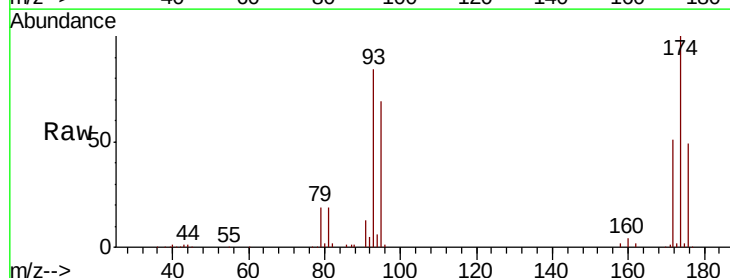
MMDadoda

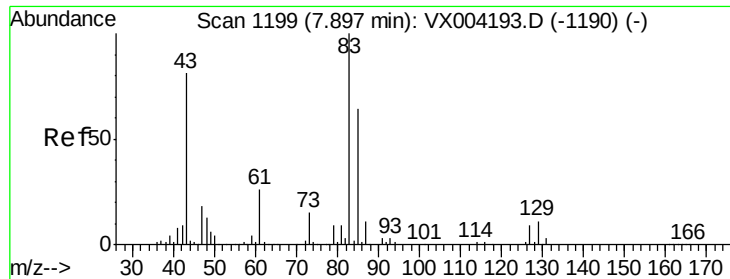
8/28/2018 3:54:20 PM



#46
 Dibromomethane
 Concen: 19.46 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.4	99.6
174	119.1	94.3	141.5





#47

Bromodichloromethane

Concen: 19.13 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

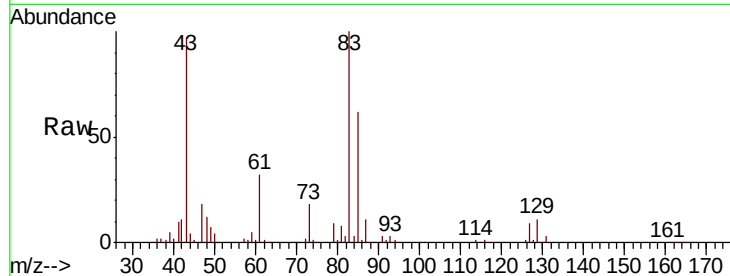
Tot Ion:	83	Resp:	101120
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.2	76.8
127	8.8	7.2	10.8

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

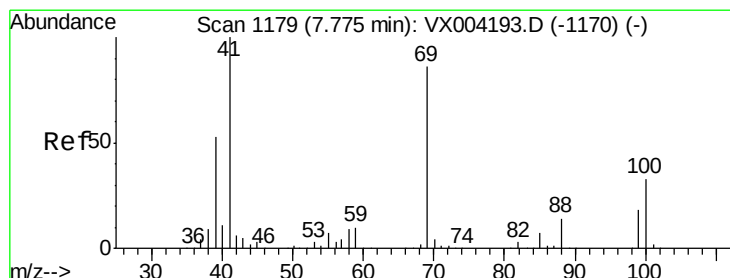
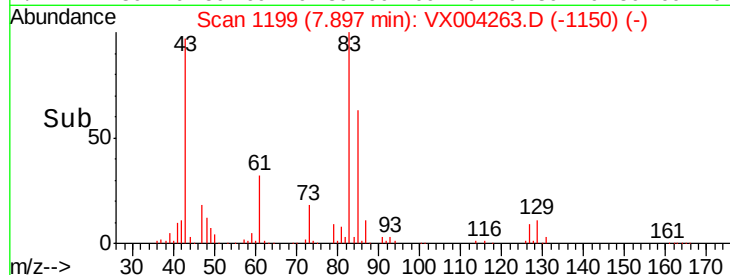
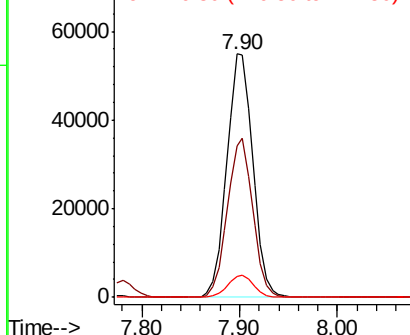
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.92 ug/l

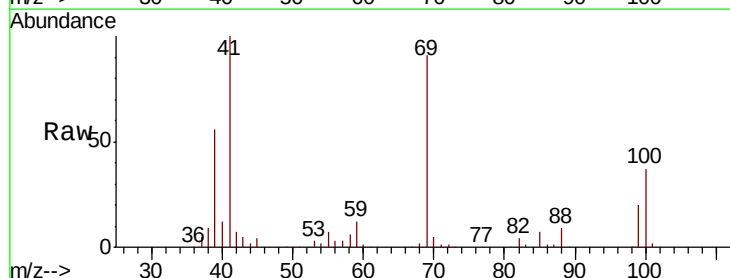
RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

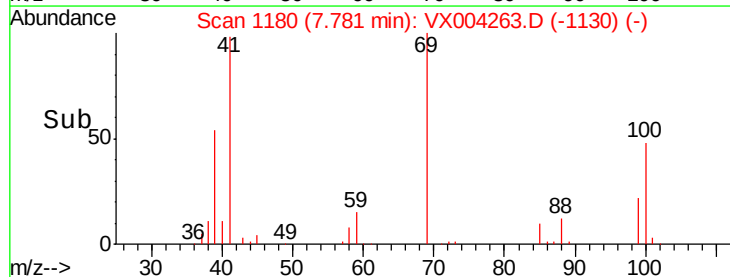
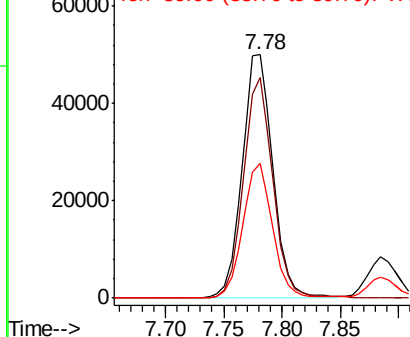
Lab File: VX004263.D

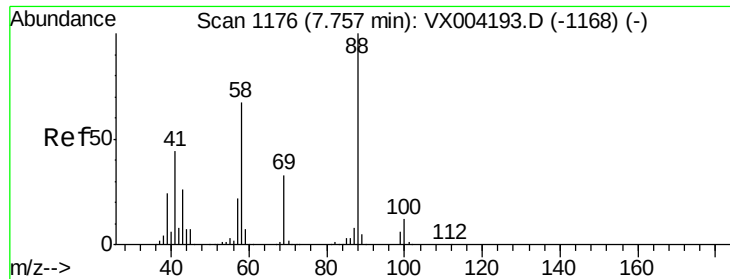
Acq: 27 Aug 2018 14:47

Tgt Ion:	41	Resp:	91910
Ion	Ratio	Lower	Upper
41	100		
69	87.4	68.8	103.2
39	54.0	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49
1,4-Dioxane
Concen: 414.68 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

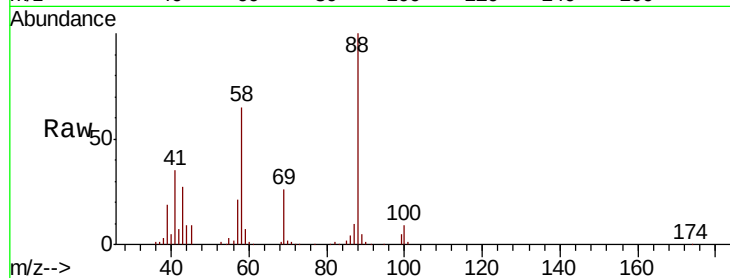
Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	23.8	35.8
58	69.1	55.4	83.0

Manual Integrations
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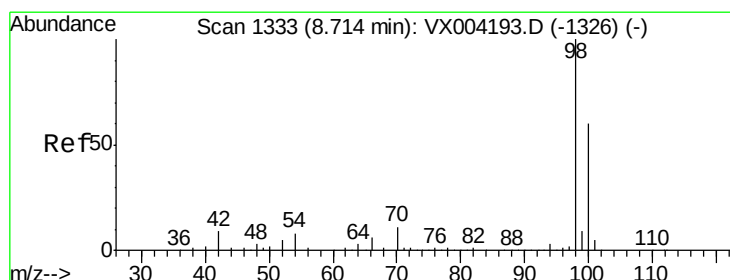
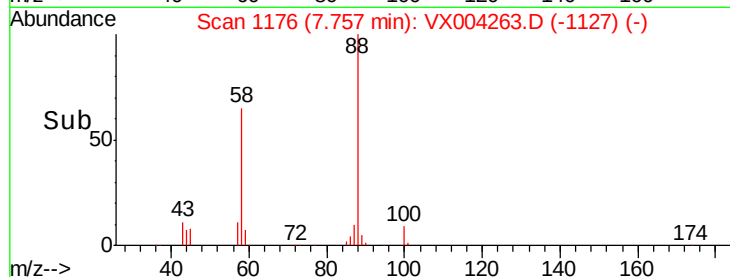
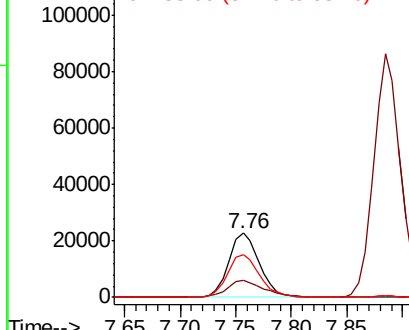


Abundance

Ion 88.00 (87.70 to 88.70): VX0

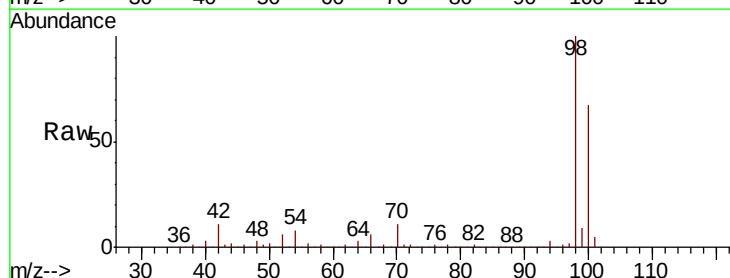
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.38 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

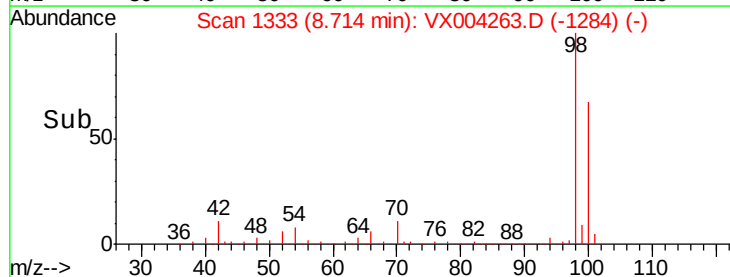
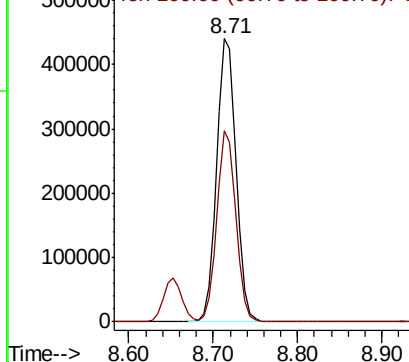
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9

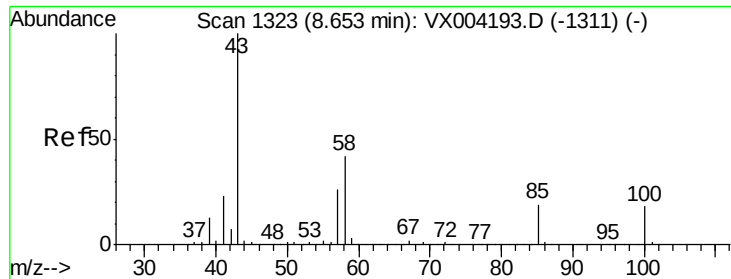


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 95.09 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 43 Resp: 595771

Ion Ratio Lower Upper

43 100

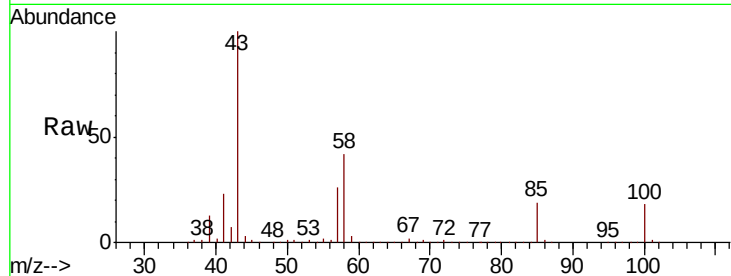
58 41.6 33.0 49.6

Manual Integrations

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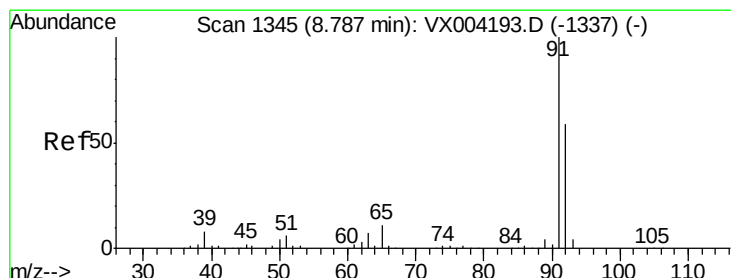
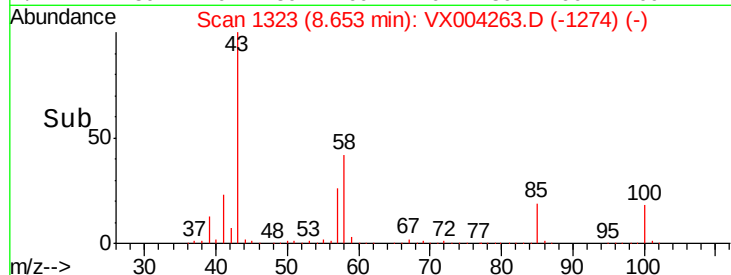
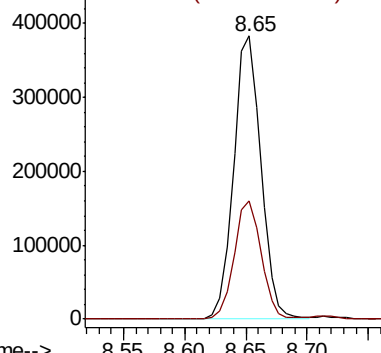
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.29 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004263.D

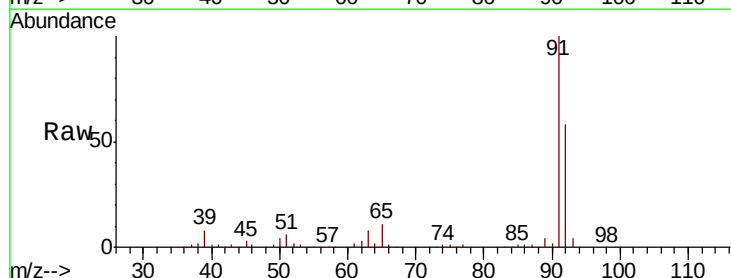
Acq: 27 Aug 2018 14:47

Tgt Ion: 92 Resp: 216495

Ion Ratio Lower Upper

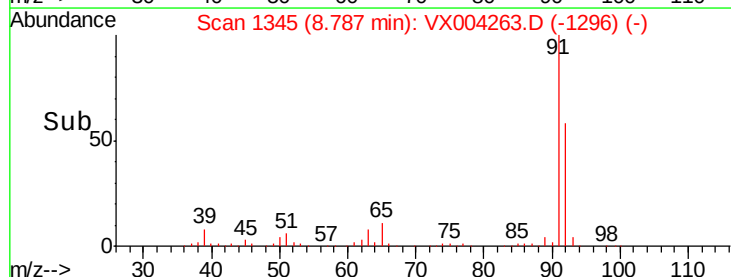
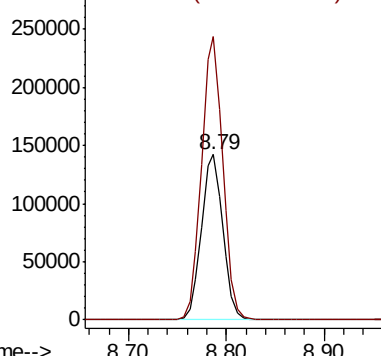
92 100

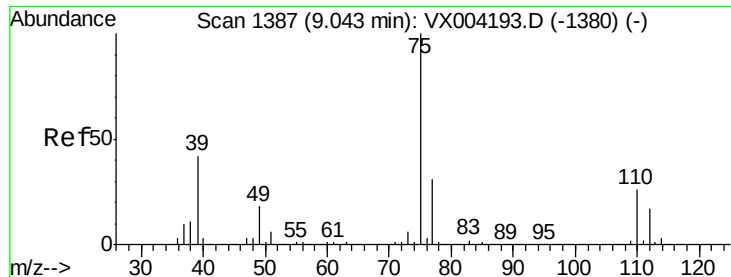
91 169.9 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53
 t-1,3-Dichloropropene
 Concen: 19.43 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

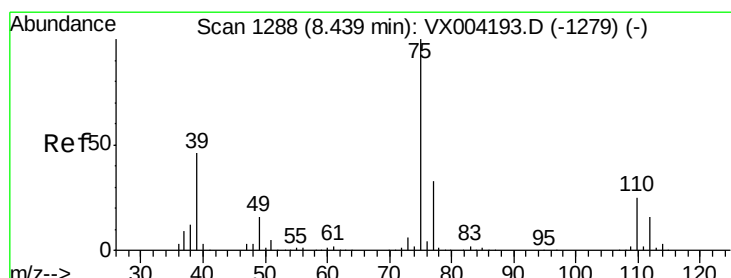
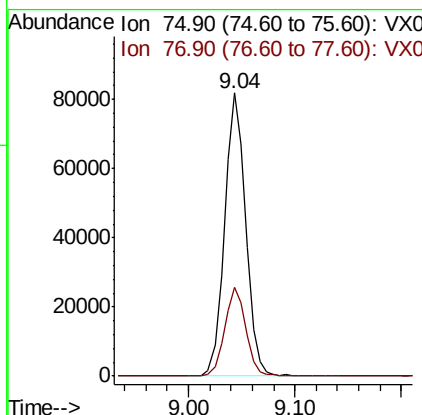
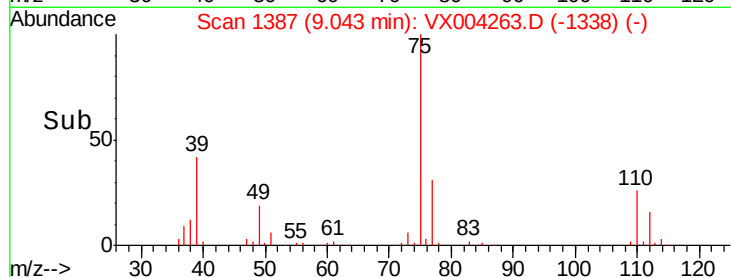
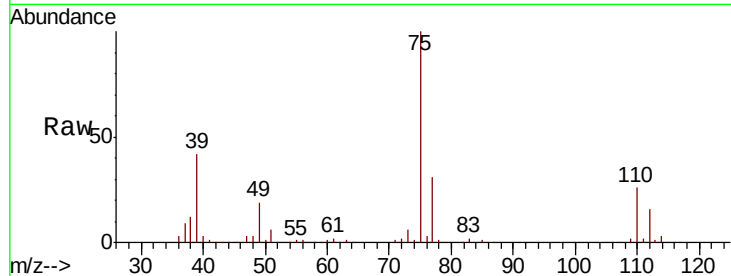
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion: 75 Resp: 113463
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.1 37.7

Manual Integrations
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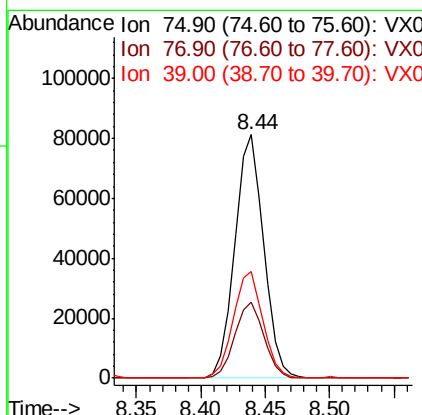
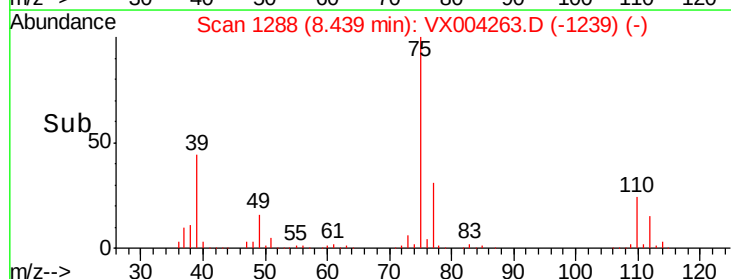
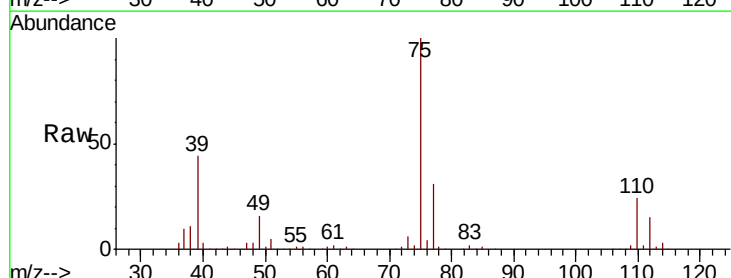
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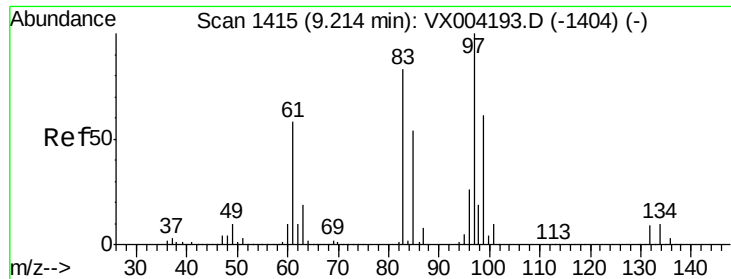
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#54
 cis-1,3-Dichloropropene
 Concen: 19.90 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion: 75 Resp: 126577
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9
 39 43.6 36.2 54.2





#55
 1,1,2-Trichloroethane
 Concen: 20.12 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

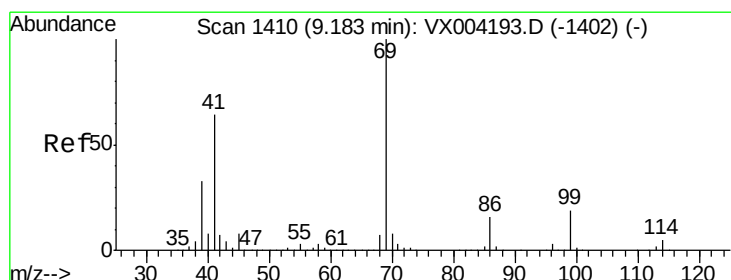
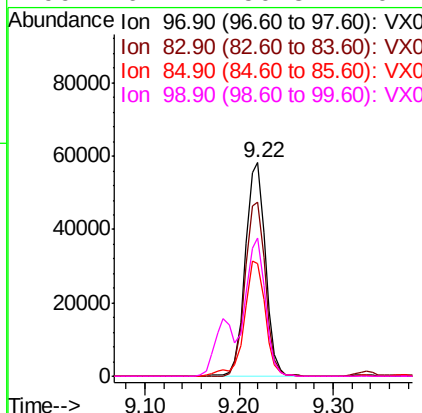
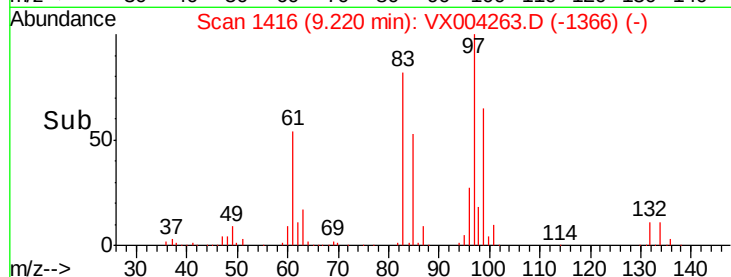
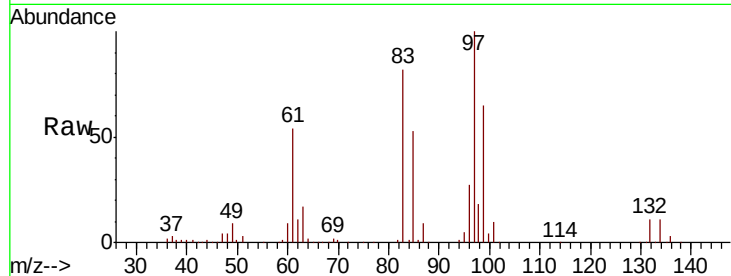
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion:	97	Resp:	86674
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.8	101.6
85	52.8	44.2	66.2
99	64.7	50.8	76.2

Manual Integrations
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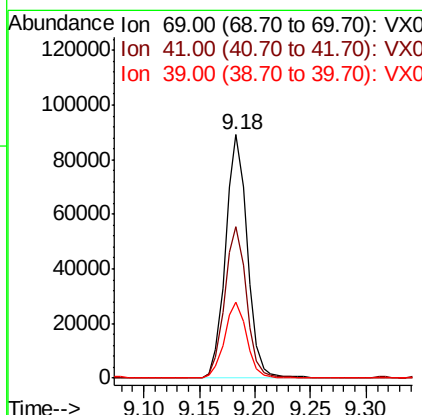
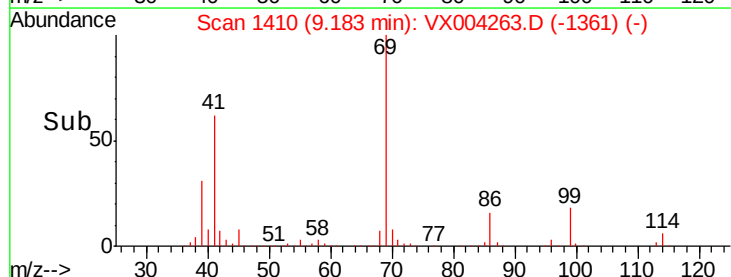
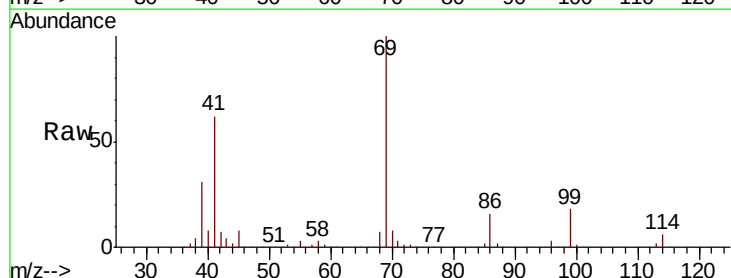
MMDadoda

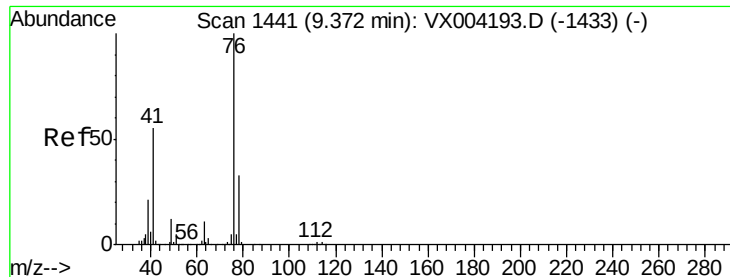
8/28/2018 3:54:20 PM



#56
 Ethyl methacrylate
 Concen: 20.53 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion:	69	Resp:	120388
Ion	Ratio	Lower	Upper
69	100		
41	62.5	50.6	76.0
39	31.8	25.8	38.6





#57

1,3-Dichloropropane

Concen: 20.08 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 76 Resp: 145807

Ion Ratio Lower Upper

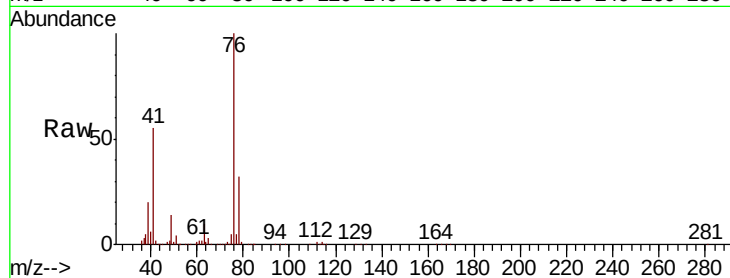
76 100

78 32.1 25.9 38.9

Manual Integrations
APPROVED

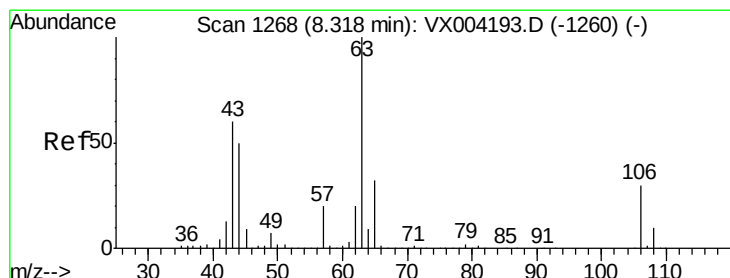
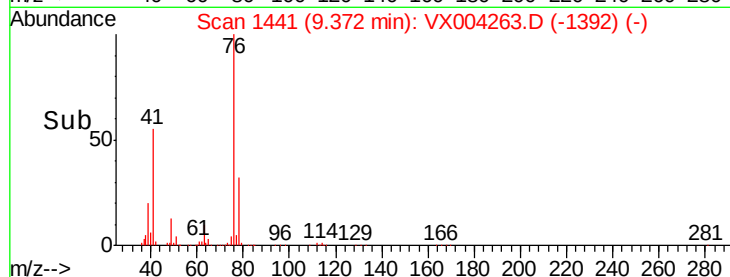
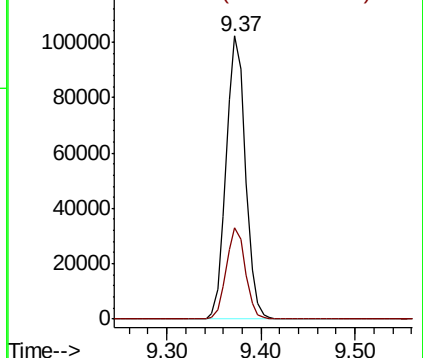
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 105.28 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004263.D

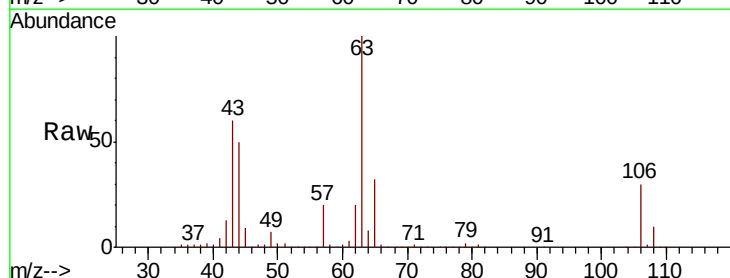
Acq: 27 Aug 2018 14:47

Tgt Ion: 63 Resp: 316378

Ion Ratio Lower Upper

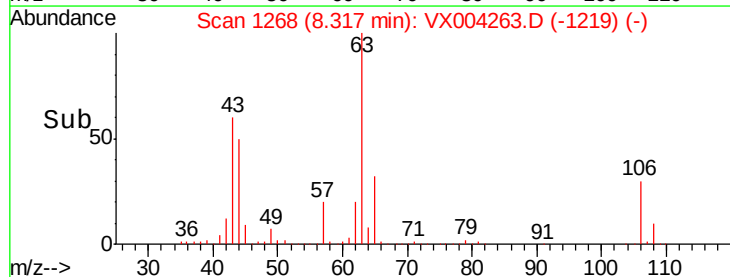
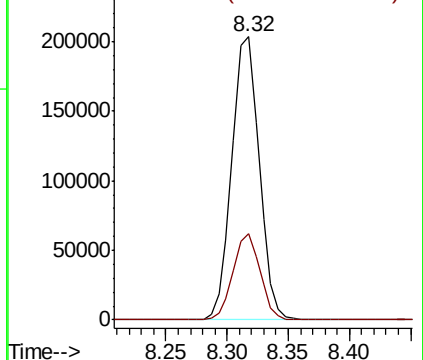
63 100

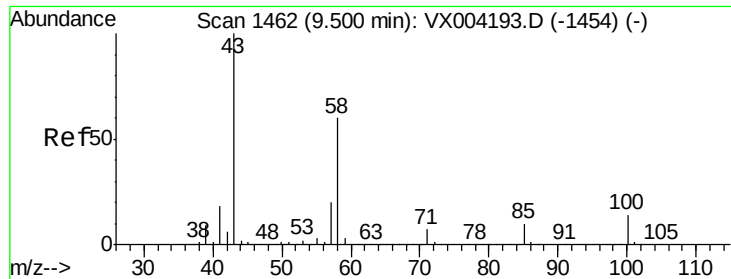
106 29.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59
2-Hexanone
Concen: 95.25 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

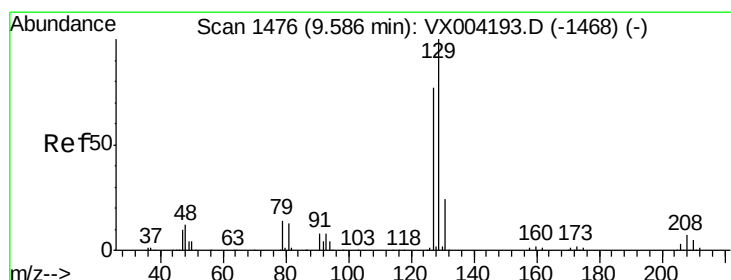
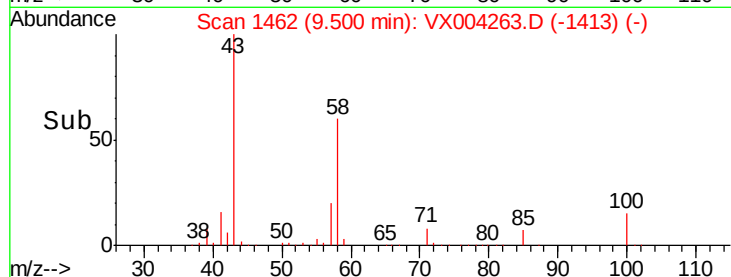
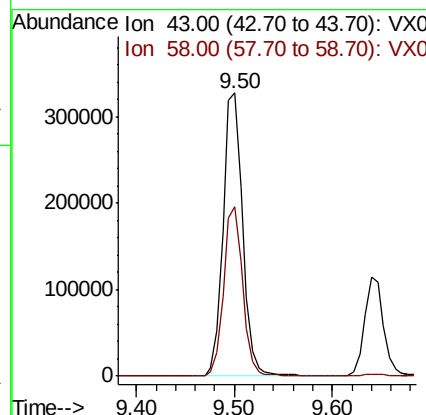
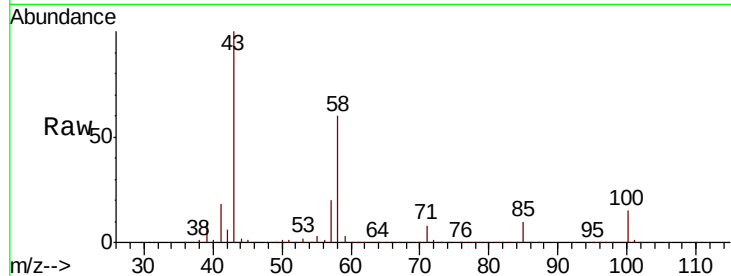
Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion: 43 Resp: 455244
Ion Ratio Lower Upper
43 100
58 58.3 29.0 87.0

Manual Integrations
APPROVED

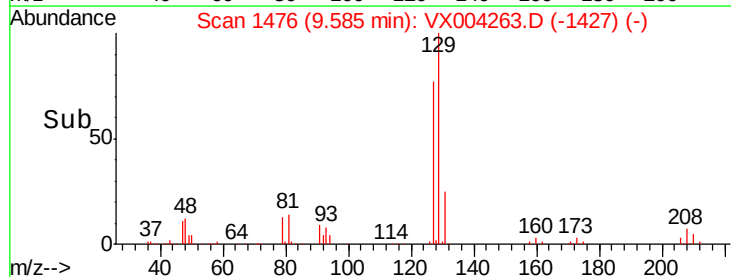
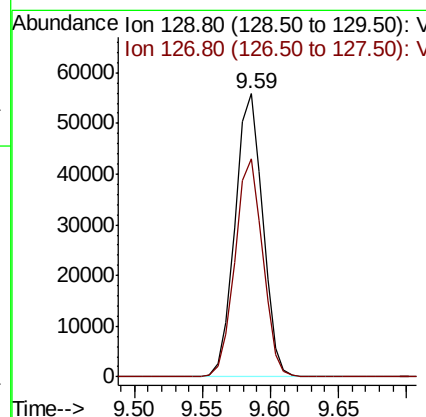
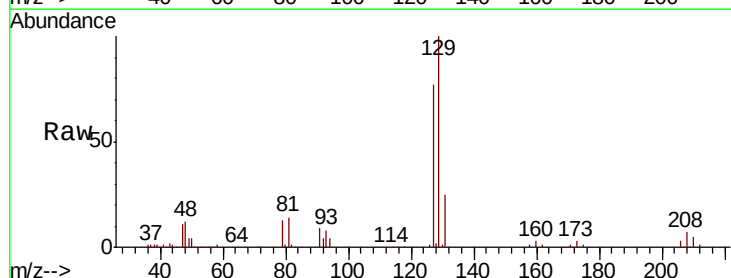
MMDadoda

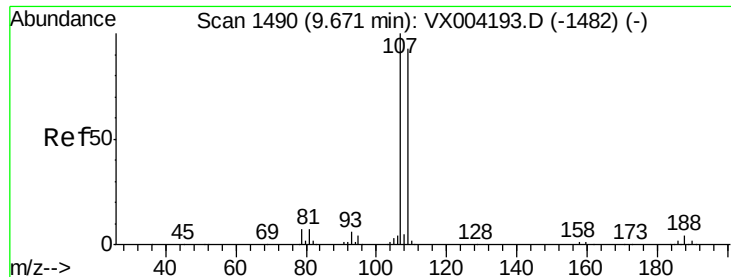
8/28/2018 3:54:20 PM



#60
Dibromochloromethane
Concen: 18.92 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion: 129 Resp: 79403
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.87 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion:107 Resp: 88568

Ion Ratio Lower Upper

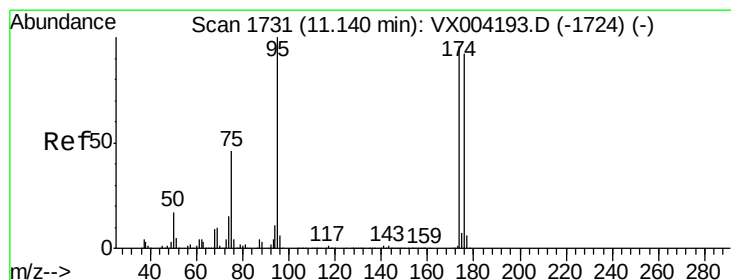
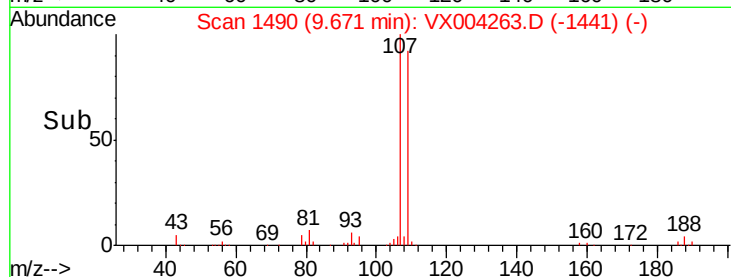
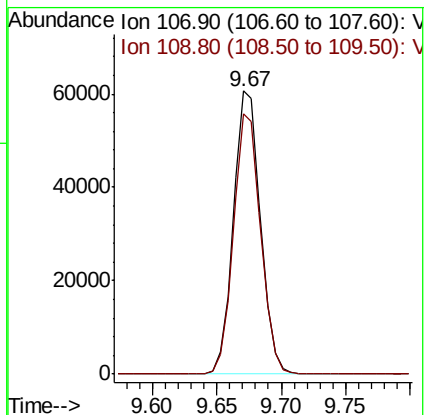
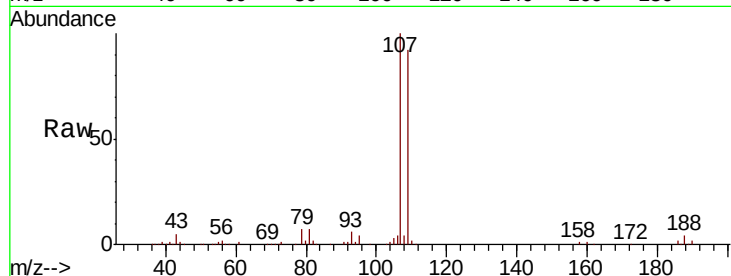
107 100

109 92.7 75.8 113.8

Manual Integrations
APPROVED

MMDadoda

8/28/2018 3:54:20 PM



#62

4-Bromofluorobenzene

Concen: 49.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

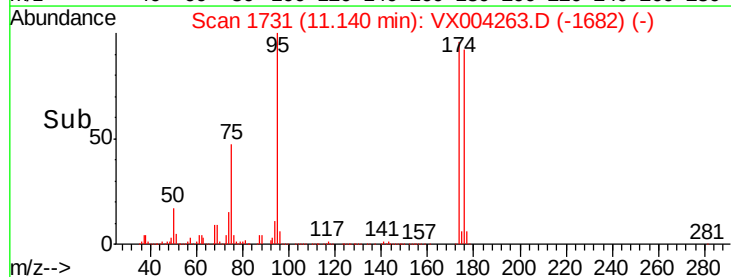
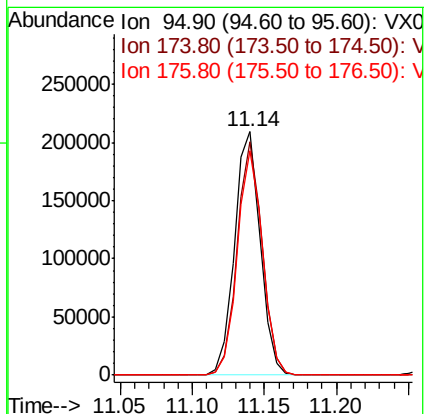
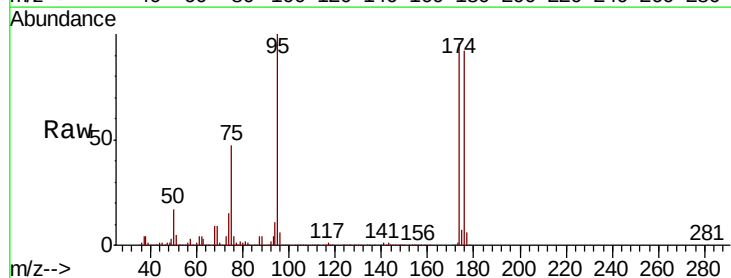
Tgt Ion: 95 Resp: 261765

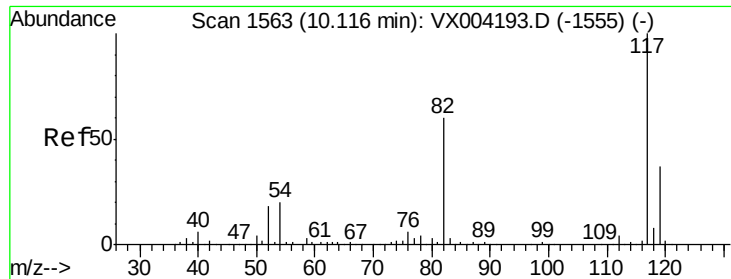
Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.8

176 90.0 0.0 179.0





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

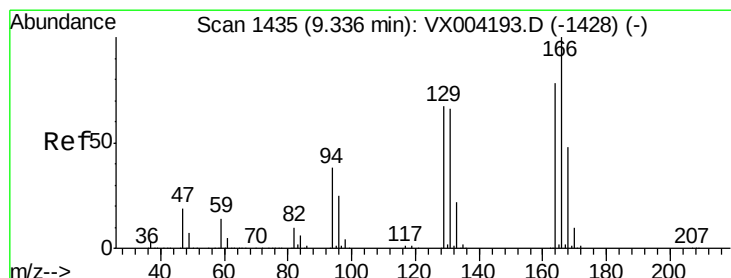
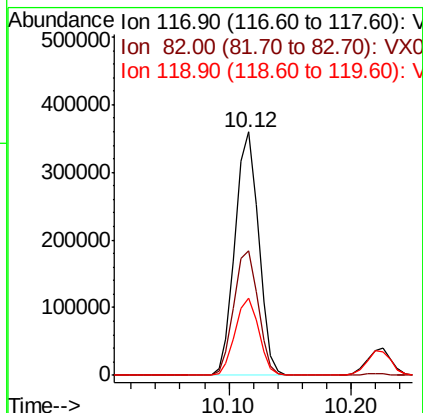
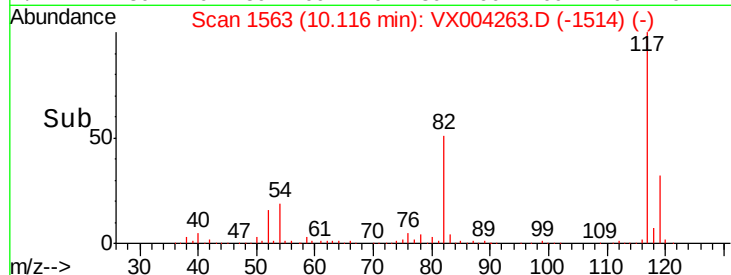
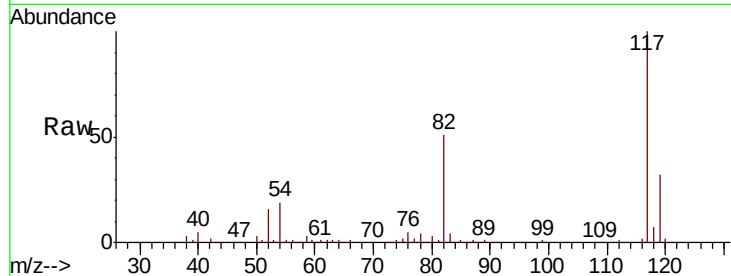
Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	45.4	68.0
119	31.8	26.6	40.0

Manual Integrations
APPROVED

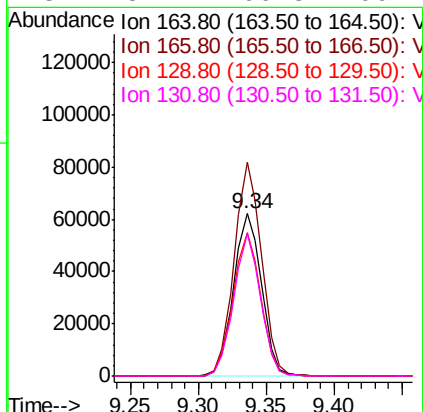
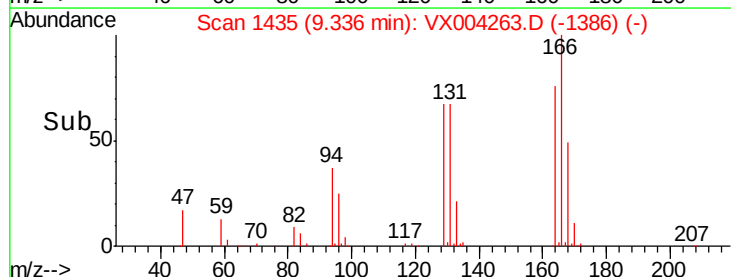
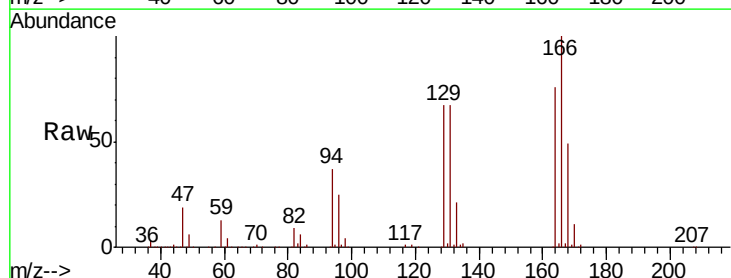
MMDadoda

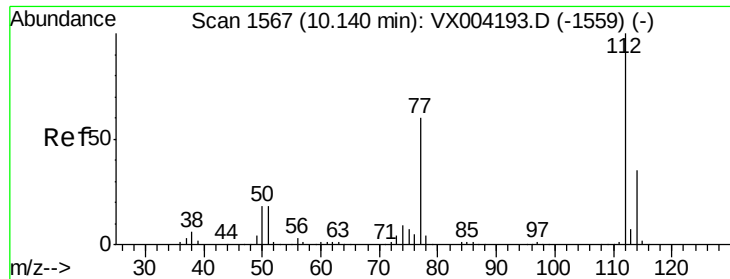
8/28/2018 3:54:20 PM



#64
Tetrachloroethene
Concen: 18.74 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	98.0	147.0
129	88.4	64.3	96.5
131	87.7	66.8	100.2





#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

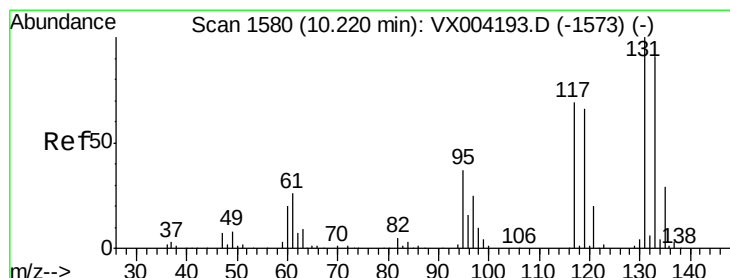
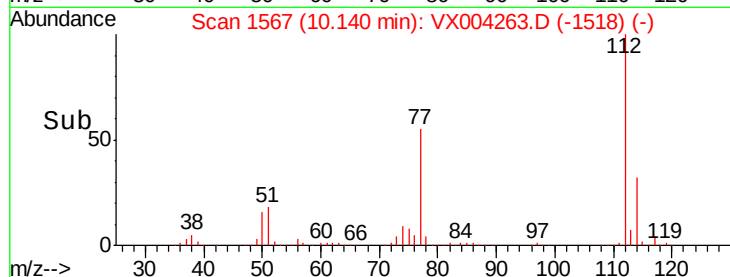
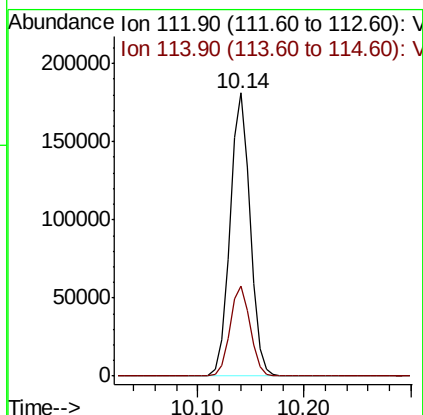
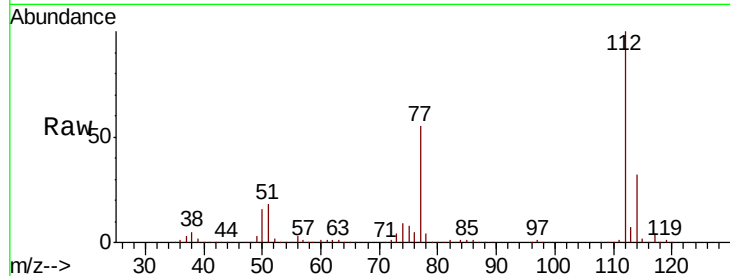
Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion:112 Resp: 240149
Ion Ratio Lower Upper
112 100
114 31.7 23.6 35.4

Manual Integrations
APPROVED

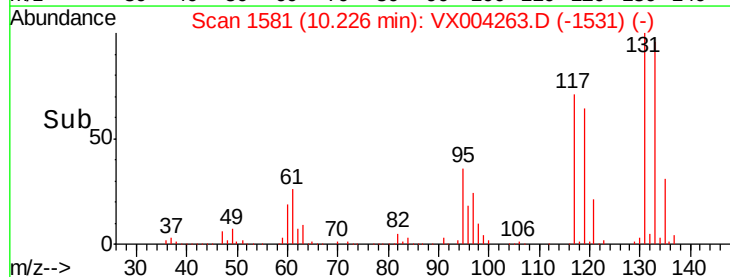
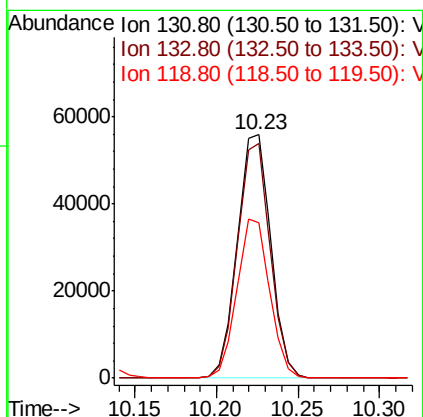
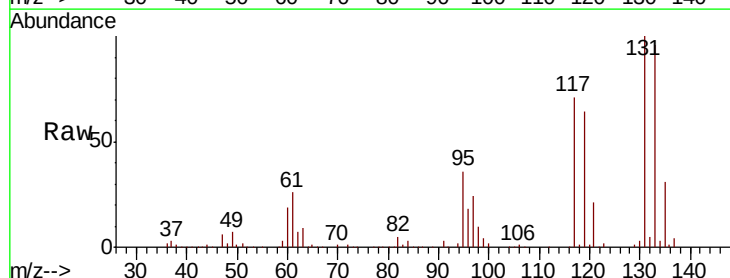
MMDadoda

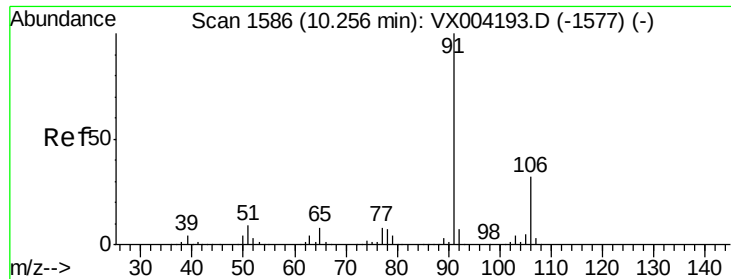
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.20 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion:131 Resp: 79736
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 64.4 31.6 94.8





#67

Ethyl Benzene

Concen: 19.85 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0827MBS01

Tot Ion: 91 Resp: 388128

Ion Ratio Lower Upper

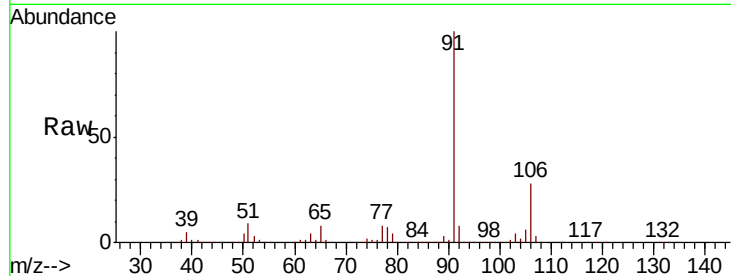
91 100

106 28.2 25.9 38.9

Manual Integrations
APPROVED

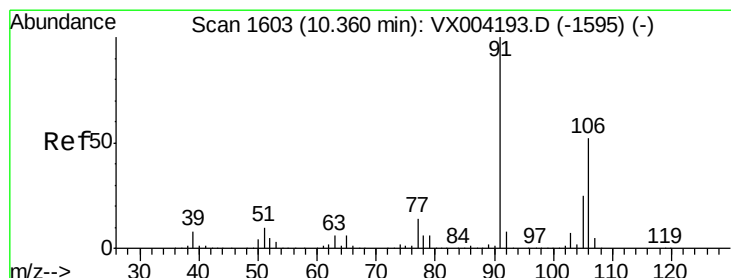
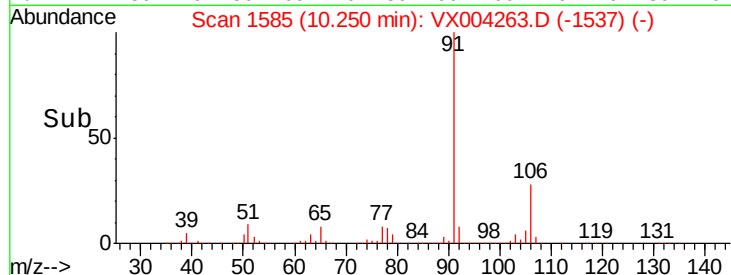
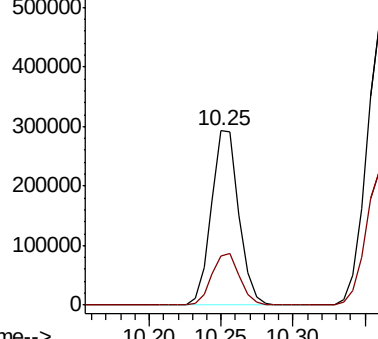
MMDadoda

8/28/2018 3:54:20 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.44 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004263.D

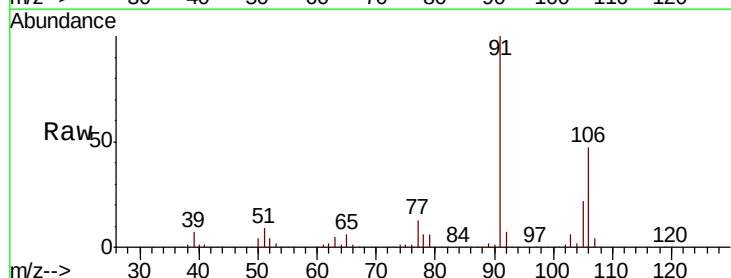
Acq: 27 Aug 2018 14:47

Tgt Ion: 106 Resp: 301540

Ion Ratio Lower Upper

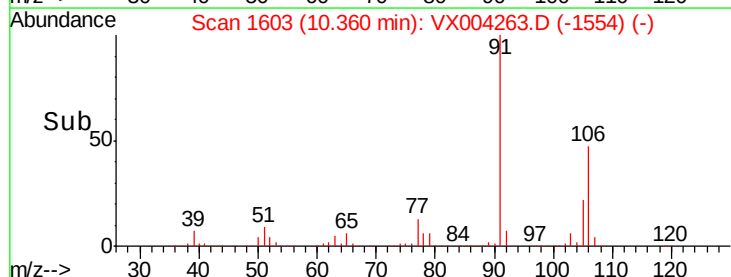
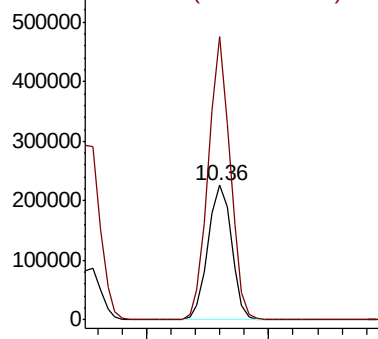
106 100

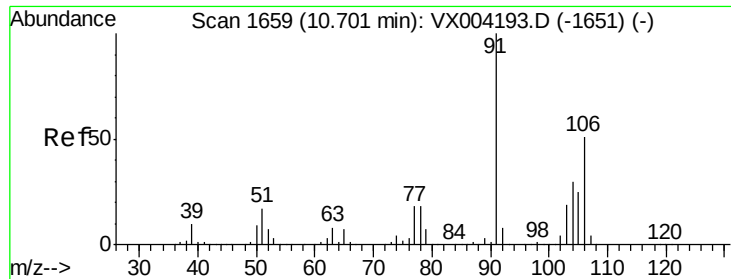
91 194.5 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69
o-Xylene
Concen: 19.38 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

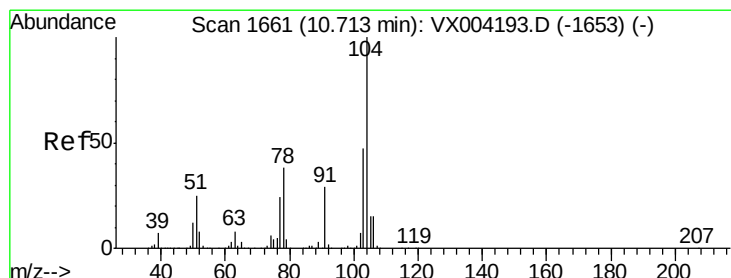
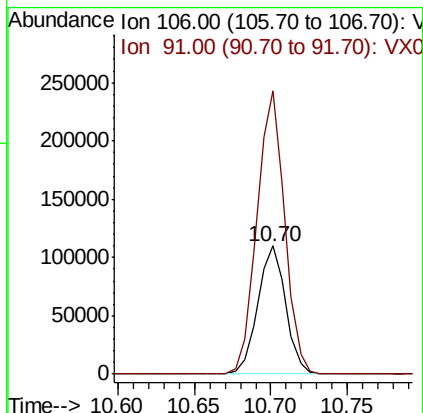
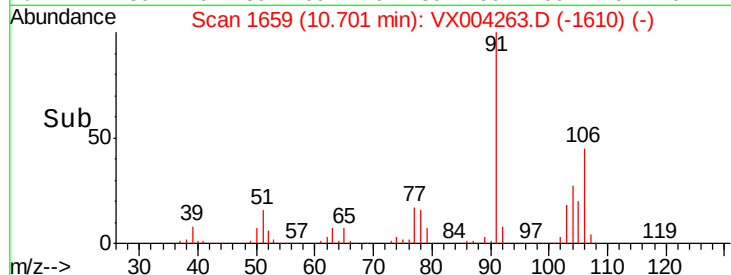
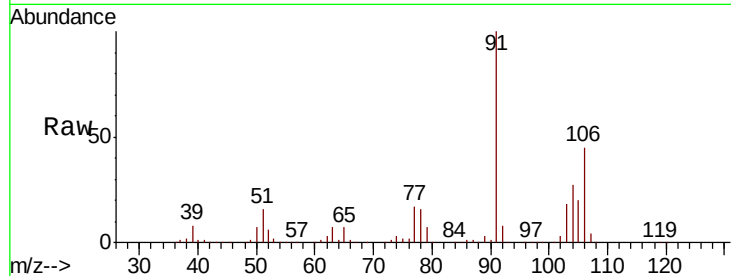
Instrument :
MSVOA_X
ClientSampled :
VX0827MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		140153		
91	219.5	101.9	305.7		

Manual Integrations
APPROVED

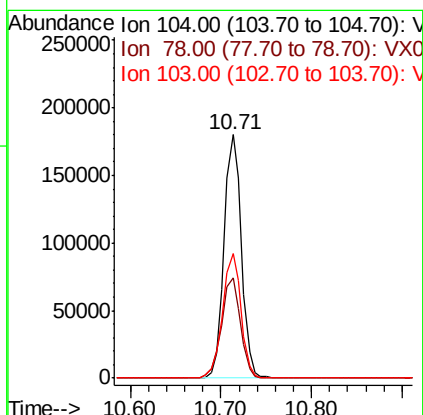
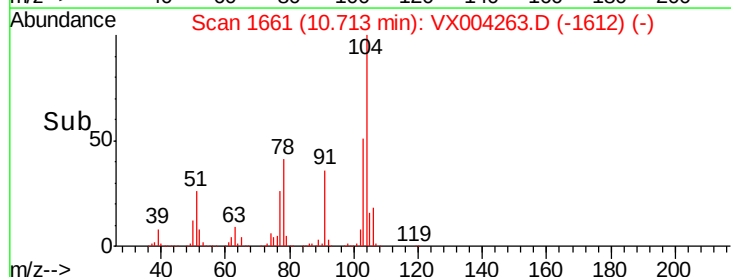
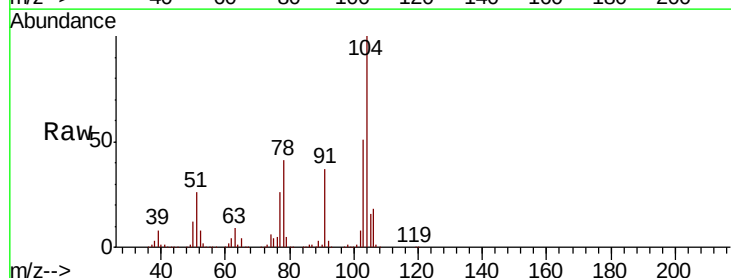
MMDadoda

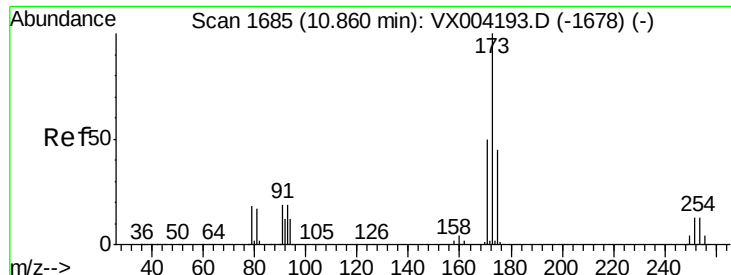
8/28/2018 3:54:20 PM



#70
Styrene
Concen: 20.49 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		239937		
78	45.2	39.8	59.6		
103	54.3	44.3	66.5		





#71

Bromoform

Concen: 17.47 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0827MBS01

Tot Ion:173 Resp: 58469

Ion Ratio Lower Upper

173 100

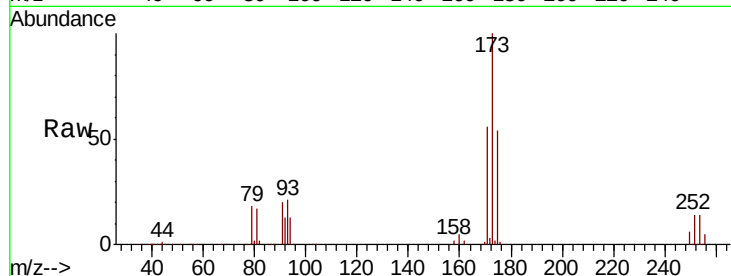
175 49.1 24.9 74.7

254 0.2 0.2 0.2

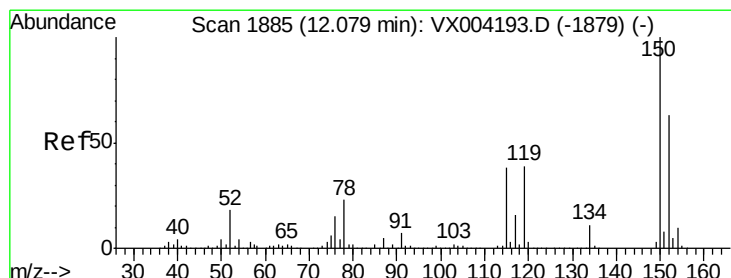
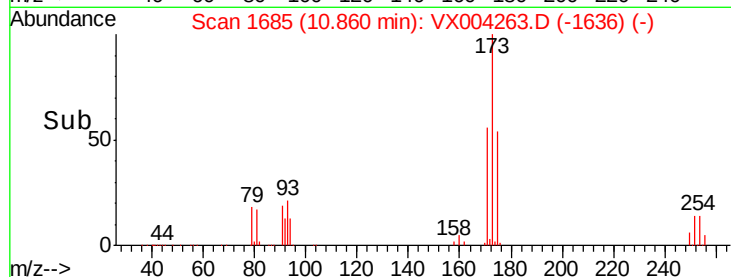
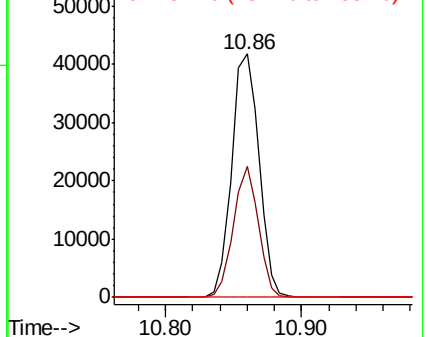
Manual Integrations
APPROVED

MMDadoda

8/28/2018 3:54:20 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

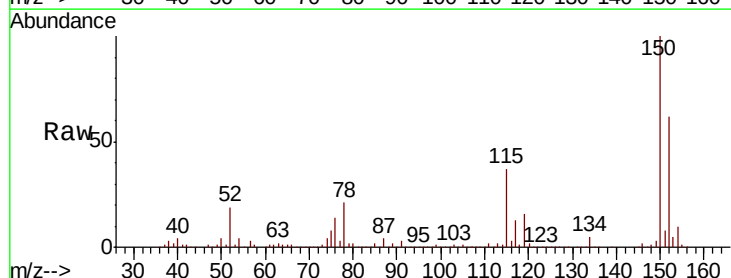
Tgt Ion:152 Resp: 271748

Ion Ratio Lower Upper

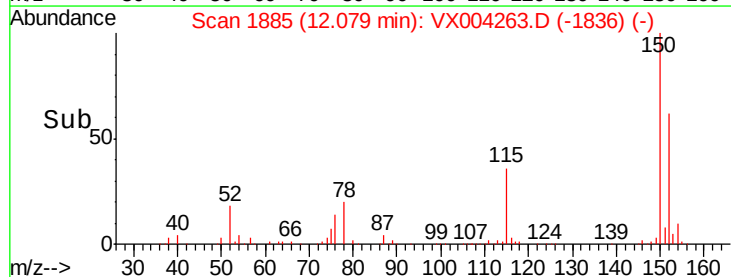
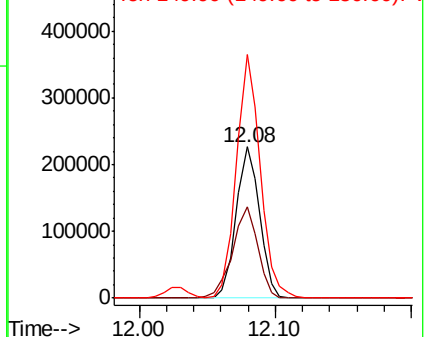
152 100

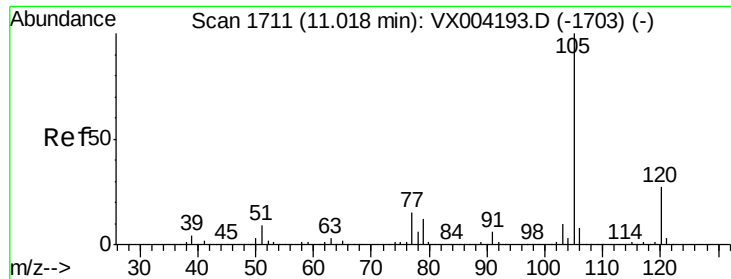
115 65.3 39.1 117.3

150 163.8 0.0 349.2



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





#73

Isopropylbenzene

Concen: 22.74 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion:105 Resp: 405850

Ion Ratio Lower Upper

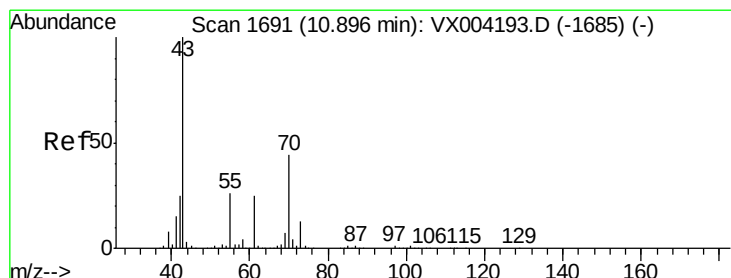
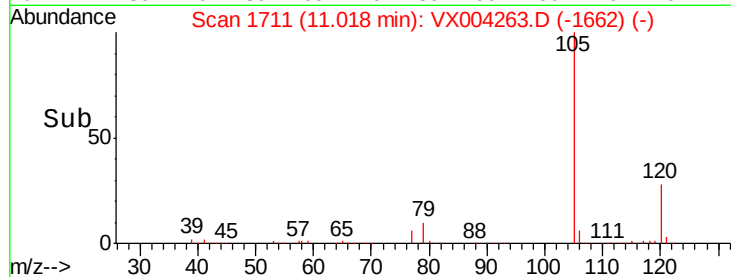
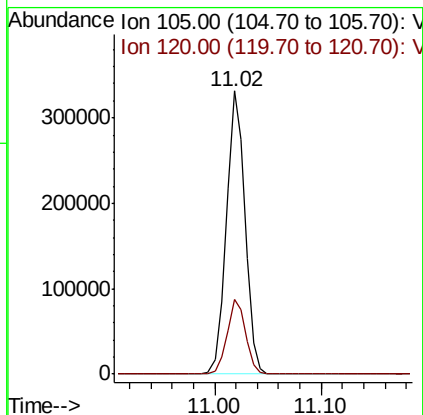
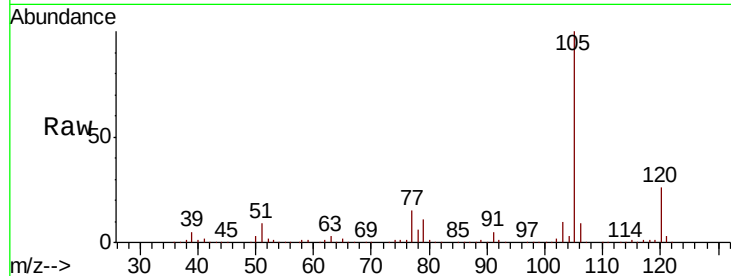
105 100

120 26.2 12.6 37.8

Manual Integrations
APPROVED

MMDadoda

8/28/2018 3:54:20 PM



#74

N-ethyl acetate

Concen: 21.35 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion: 43 Resp: 146730

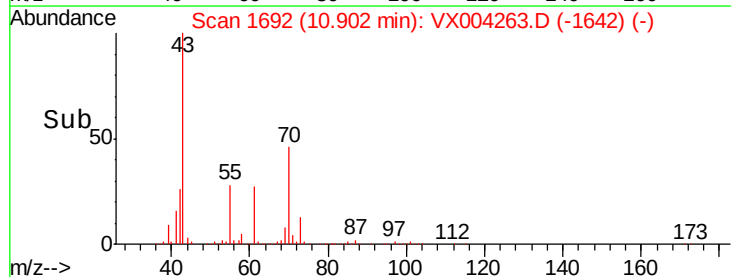
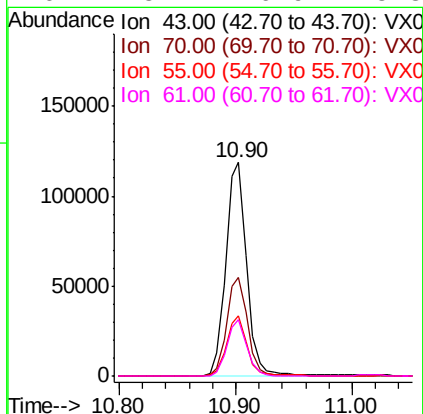
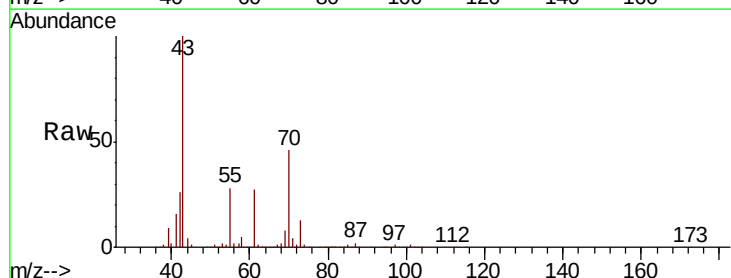
Ion Ratio Lower Upper

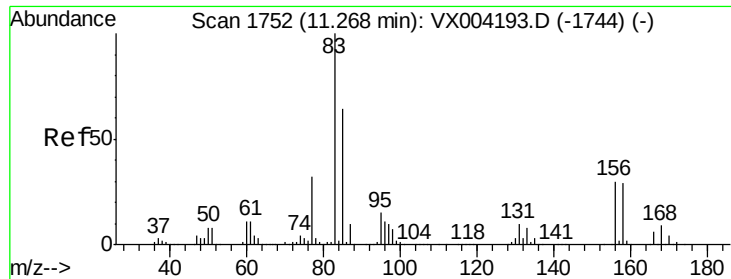
43 100

70 46.6 0.0 0.0#

55 28.0 0.1 0.1#

61 25.4 16.9 25.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.85 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

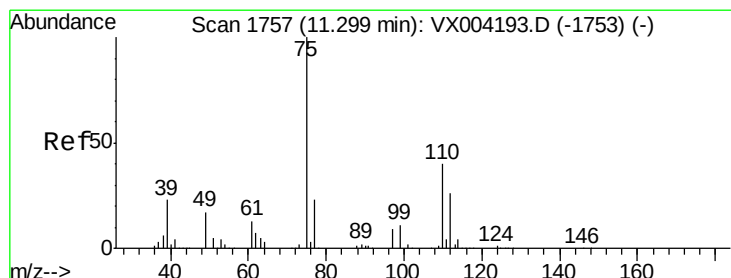
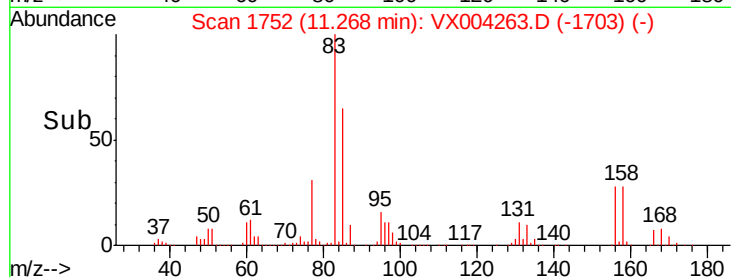
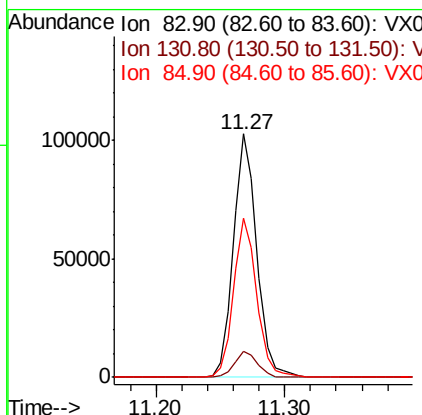
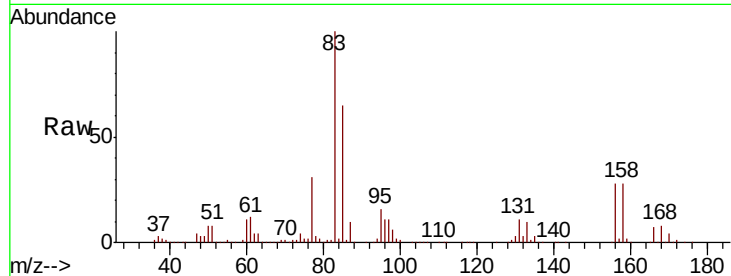
VX0827MBS01

Tot Ion:	83	Resp:	130223
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.73 ug/l m

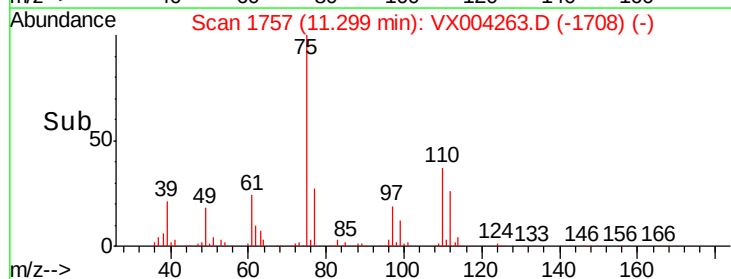
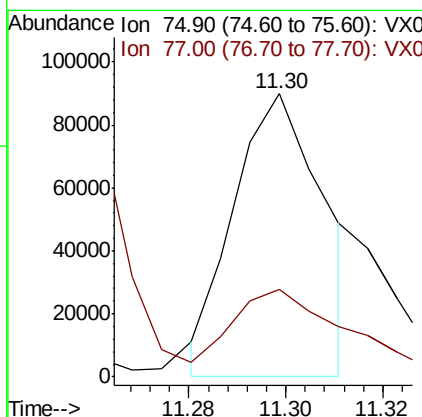
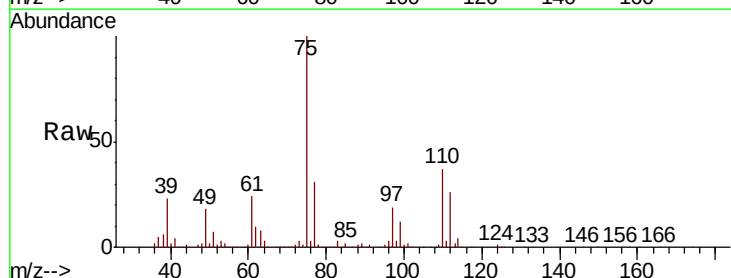
RT: 11.30 min Scan# 1757

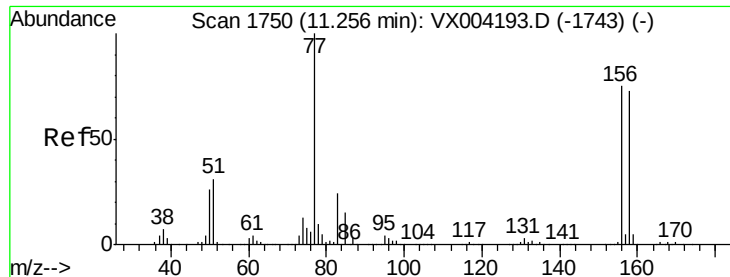
Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion:	75	Resp:	115921
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.8	62.5





#77

Bromobenzene

Concen: 21.12 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion:156 Resp: 105747

Ion Ratio Lower Upper

156 100

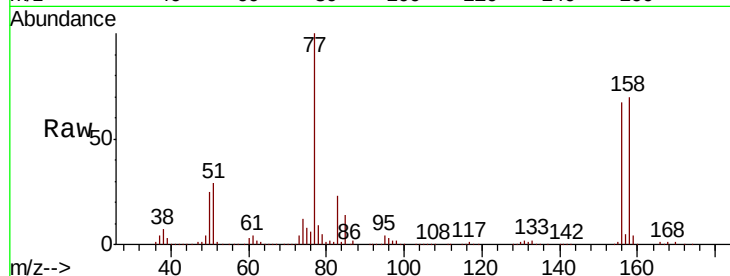
77 148.1 74.1 222.2

158 100.0 48.6 145.9

Manual Integrations
APPROVED

MMDadoda

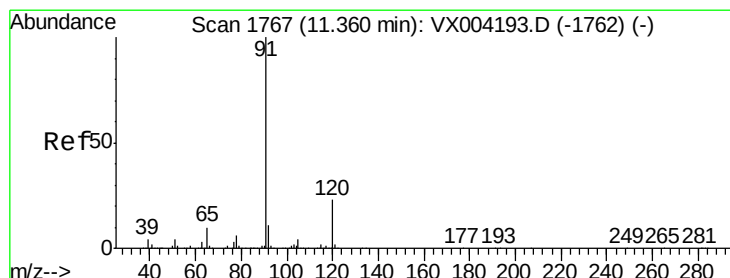
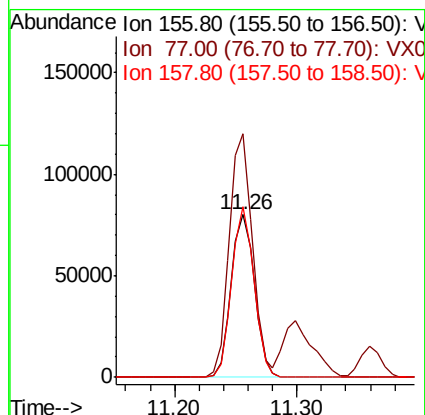
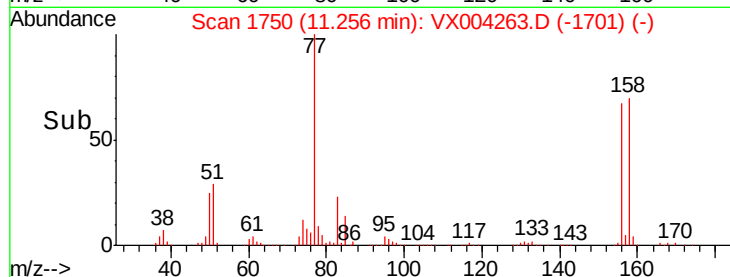
8/28/2018 3:54:20 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.32 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004263.D

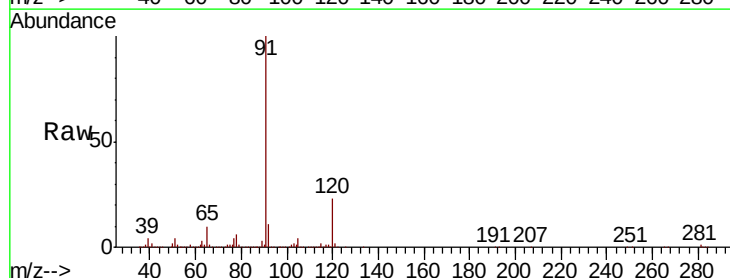
Acq: 27 Aug 2018 14:47

Tgt Ion: 91 Resp: 458159

Ion Ratio Lower Upper

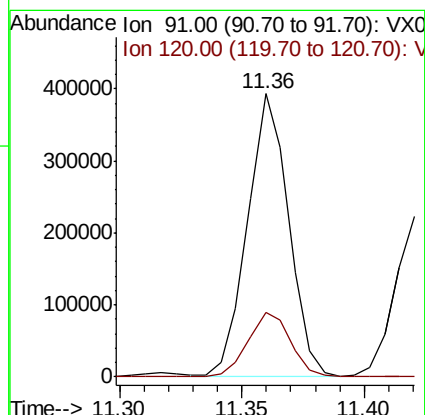
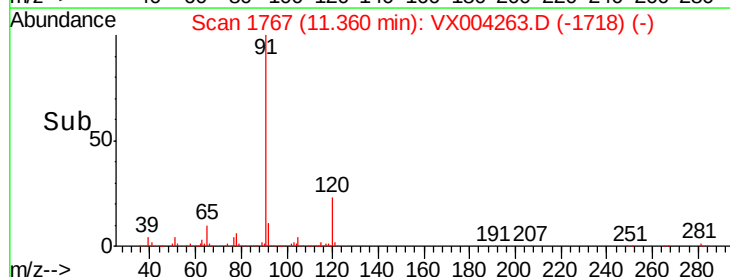
91 100

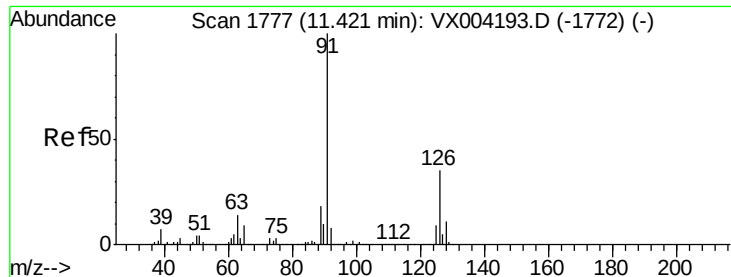
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.76 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 91 Resp: 274938

Ion Ratio Lower Upper

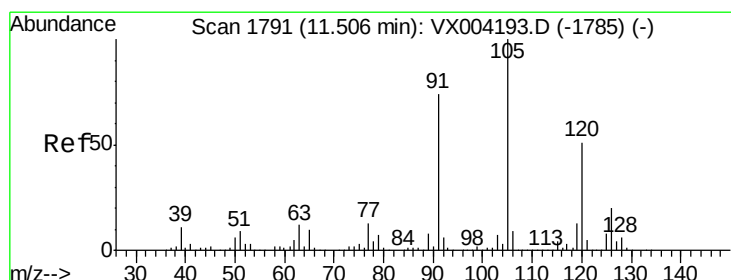
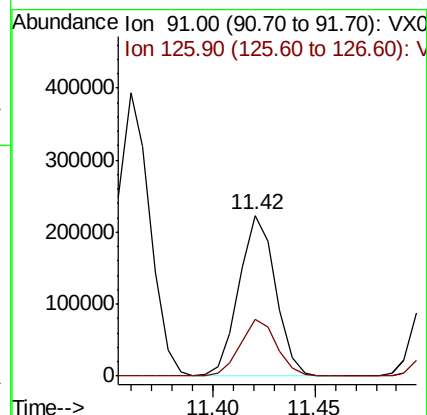
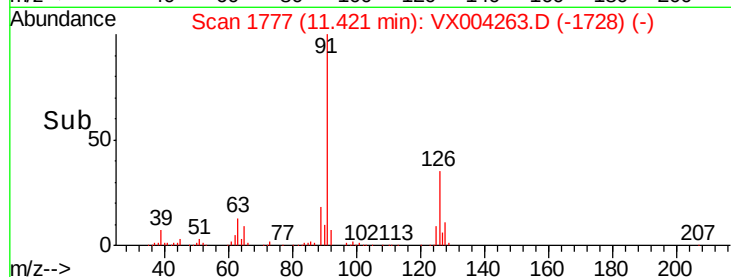
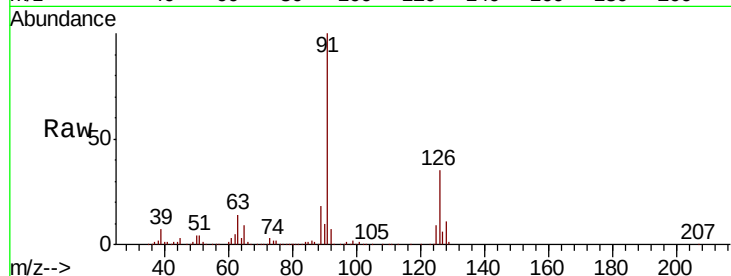
91 100

126 35.4 17.4 52.3

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 22.50 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004263.D

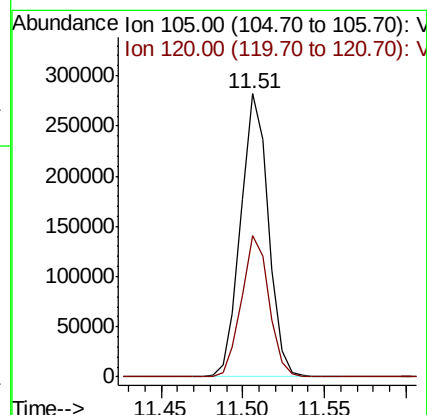
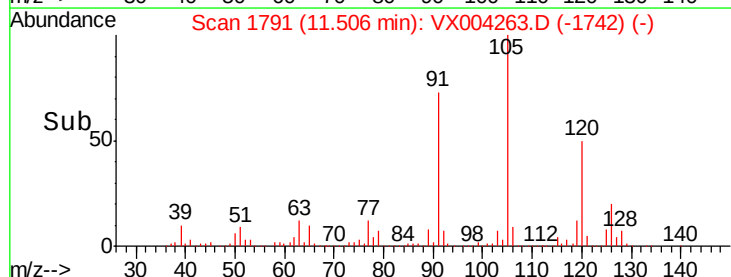
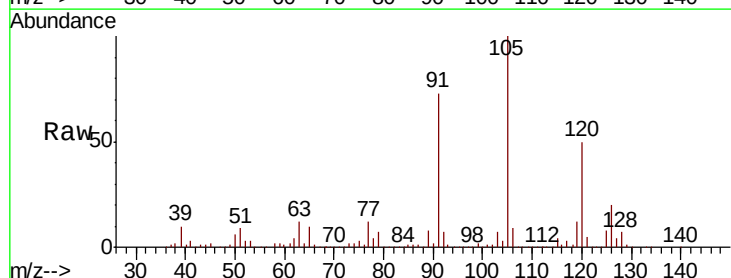
Acq: 27 Aug 2018 14:47

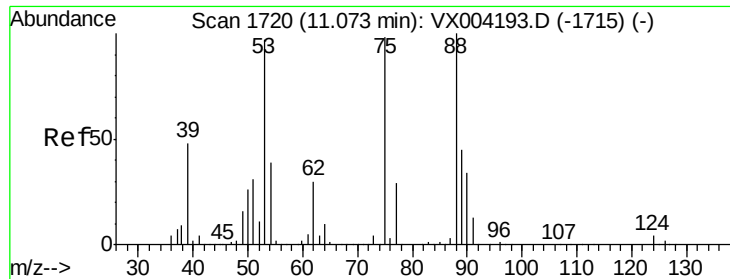
Tgt Ion: 105 Resp: 332574

Ion Ratio Lower Upper

105 100

120 49.9 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 20.05 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

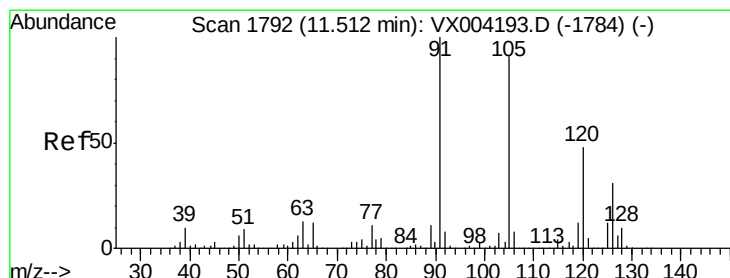
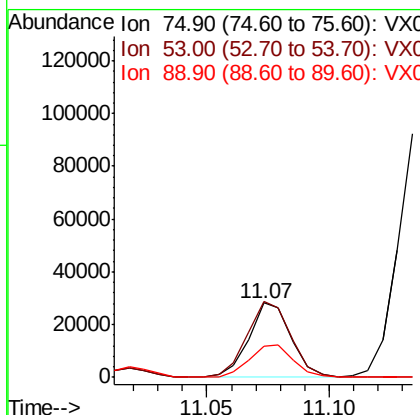
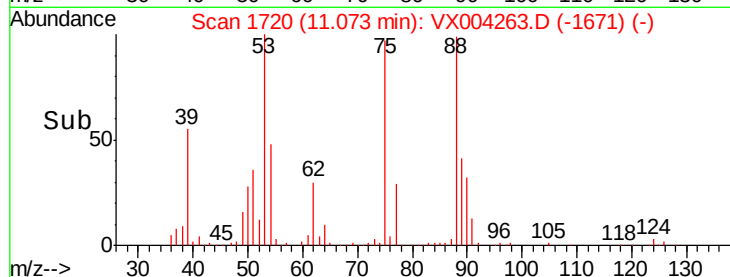
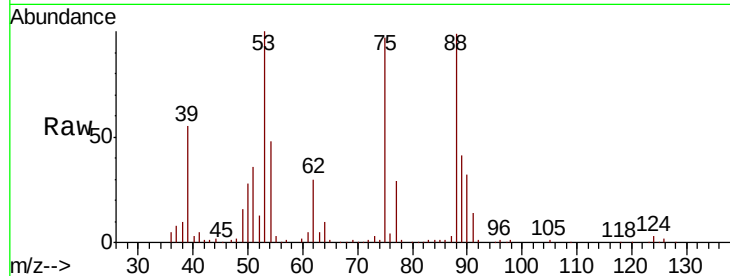
Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.9	80.3	120.5
89	46.0	37.8	56.8

Manual Integrations
APPROVED

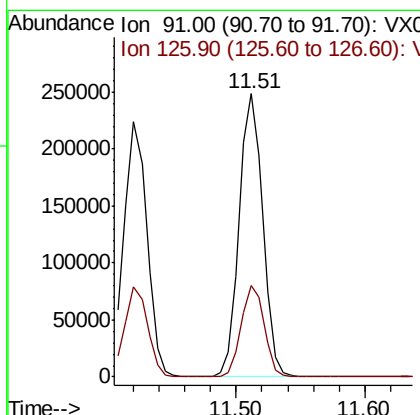
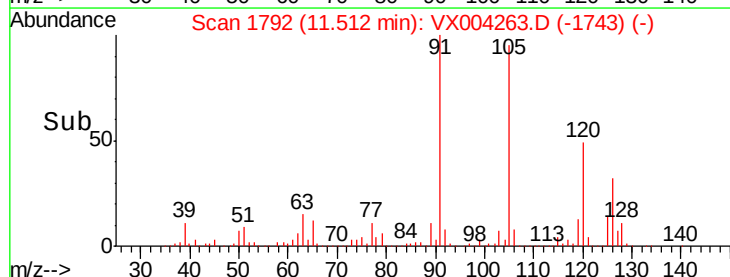
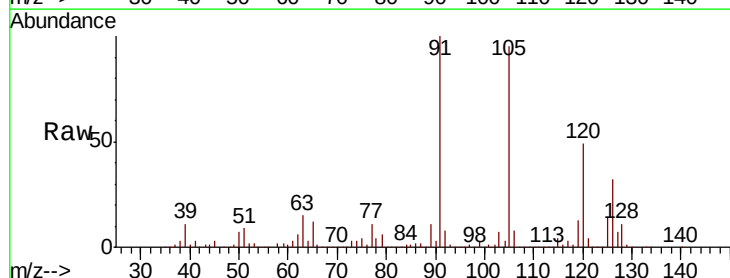
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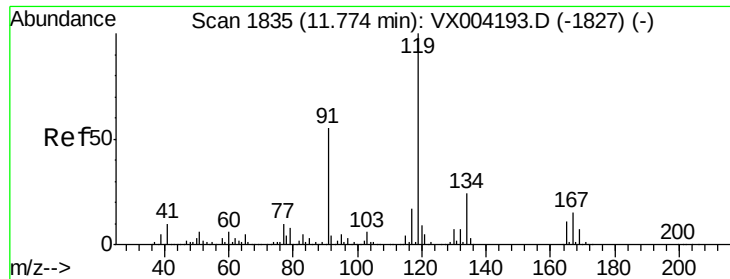
8/28/2018 3:54:20 PM



#82
4-Chlorotoluene
Concen: 21.17 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.7





#83
 tert-Butylbenzene
 Concen: 21.69 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

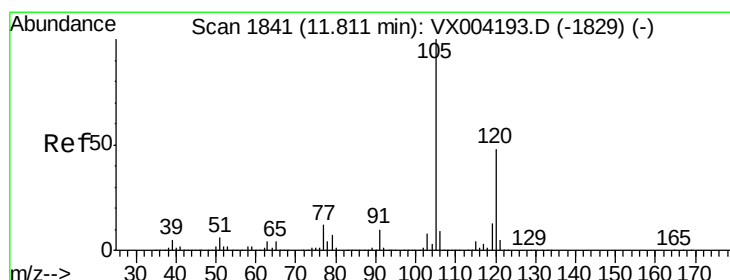
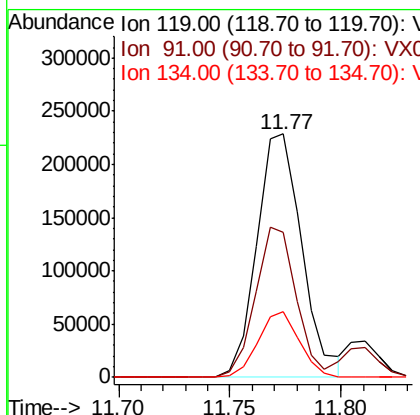
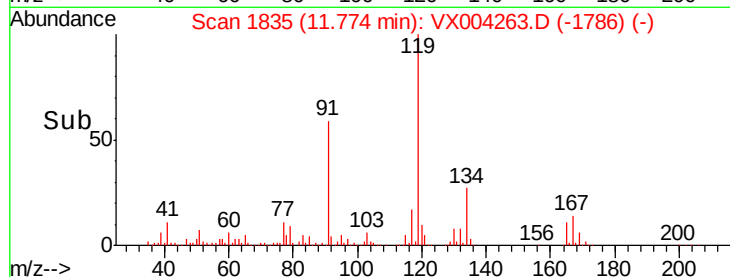
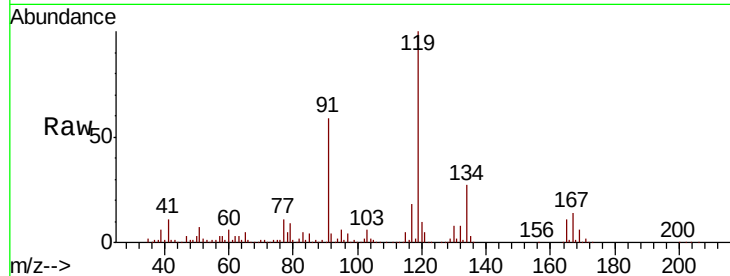
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	322490		
91	55.9	26.9	80.7	
134	24.8	12.0	36.0	

Manual Integrations
 APPROVED

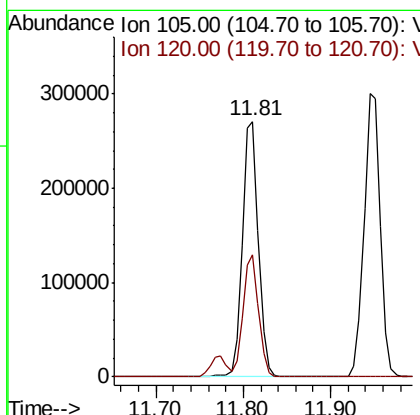
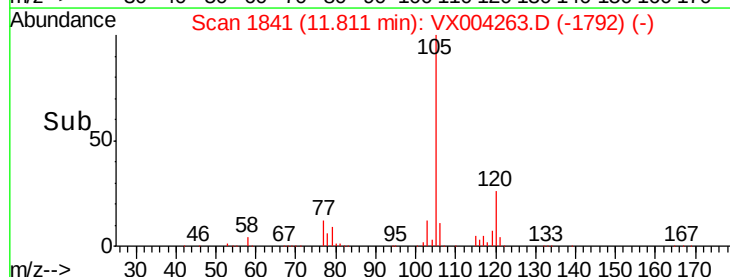
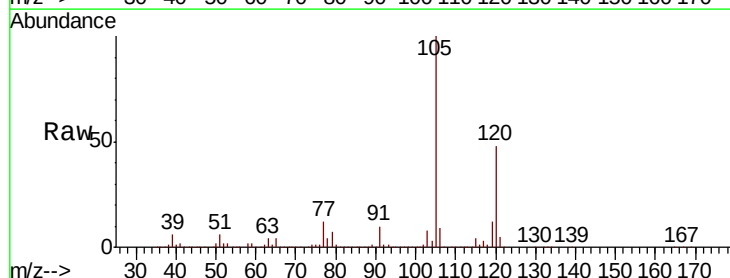
MMDadoda

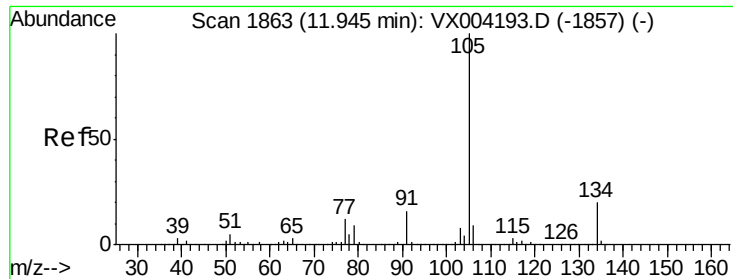
8/28/2018 3:54:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.80 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345964		
120	46.0	23.1	69.2	





#85
 sec-Butylbenzene
 Concen: 21.99 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

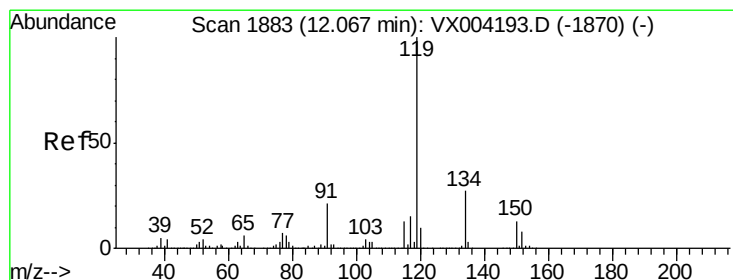
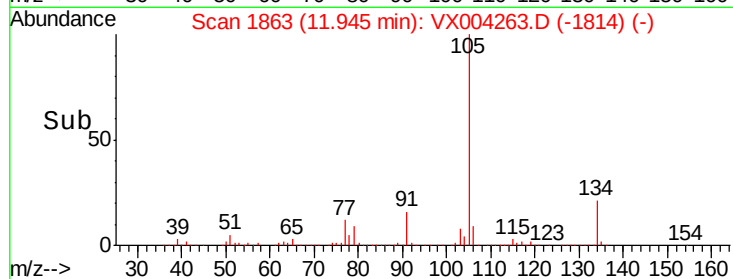
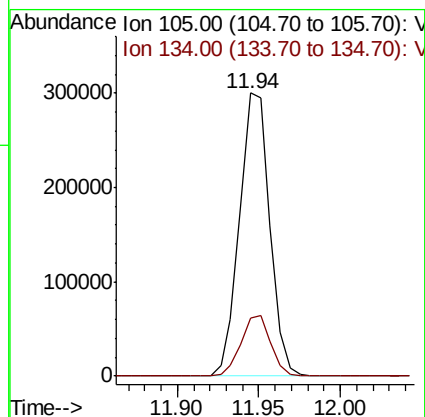
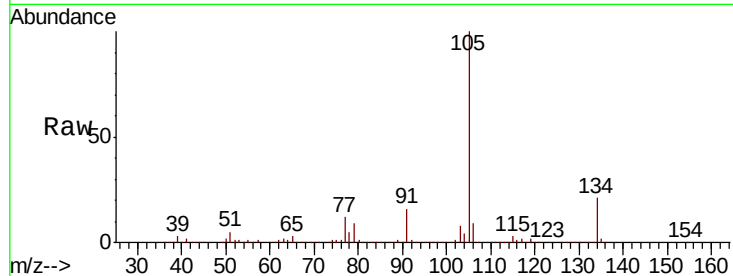
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.3	30.9

Manual Integrations
 APPROVED

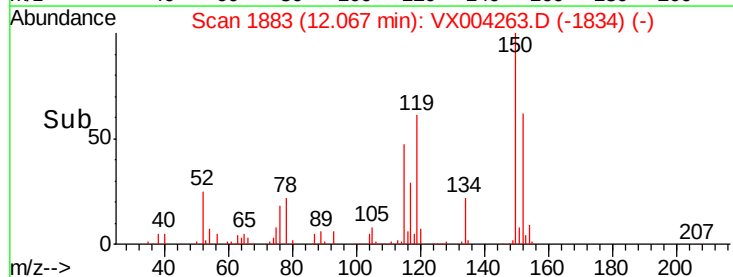
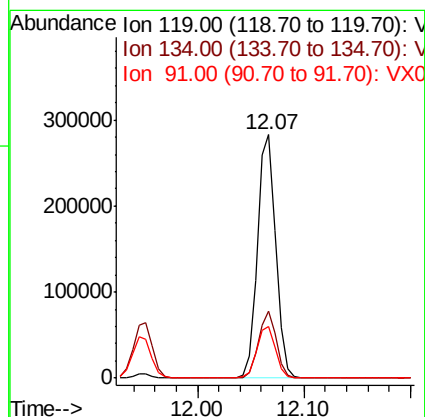
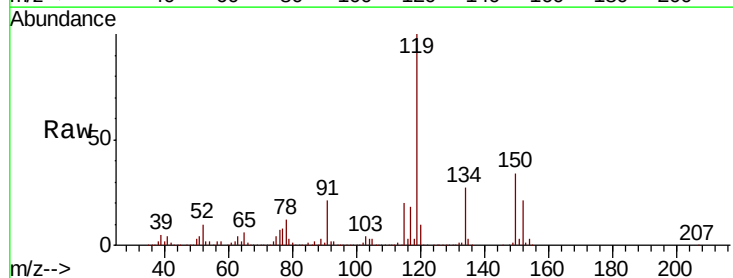
MMDadoda

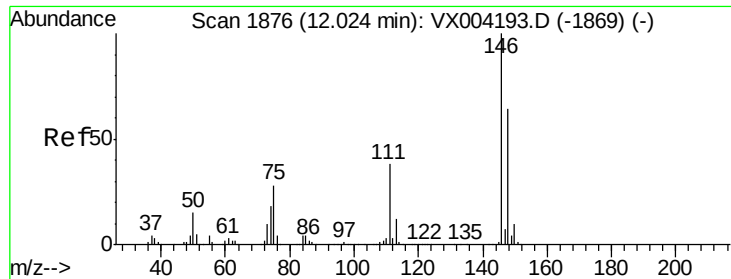
8/28/2018 3:54:20 PM



#86
 p-Isopropyltoluene
 Concen: 21.58 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	21.8	10.9	32.7





#87
 1,3-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

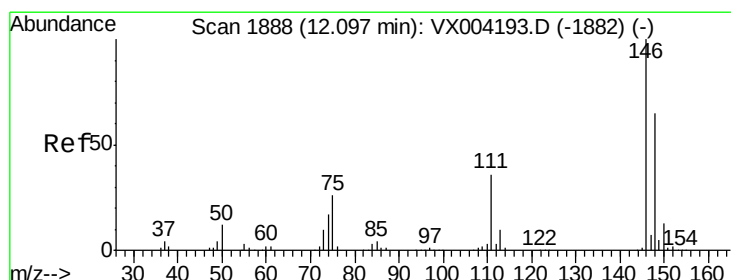
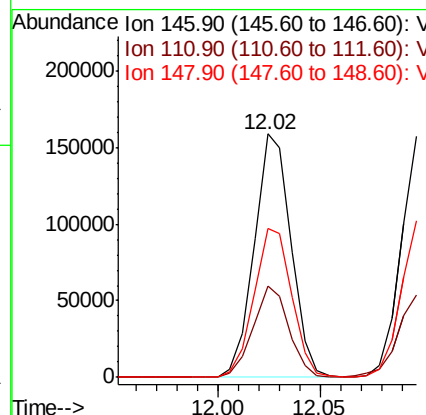
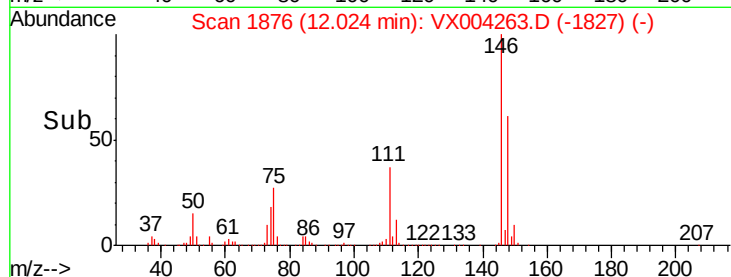
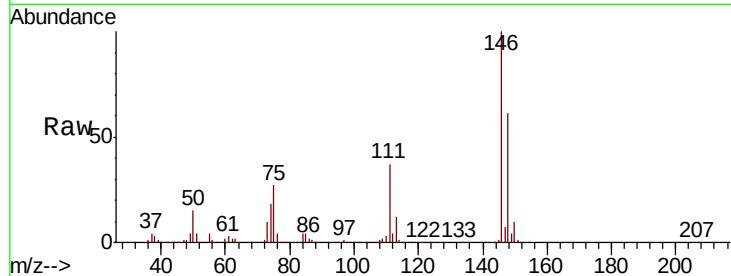
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.4
148	63.1	31.9	95.5

Manual Integrations
 APPROVED

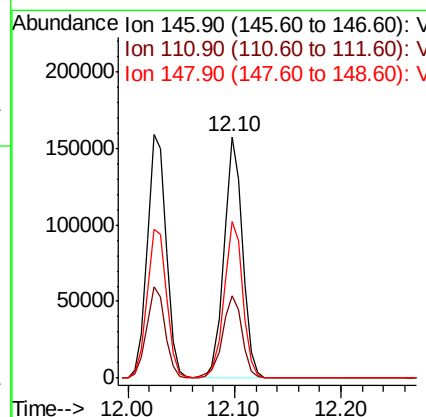
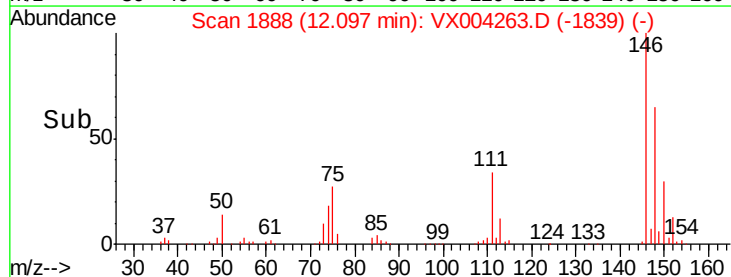
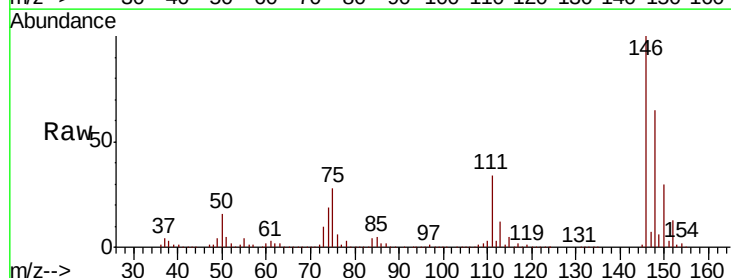
MMDadoda

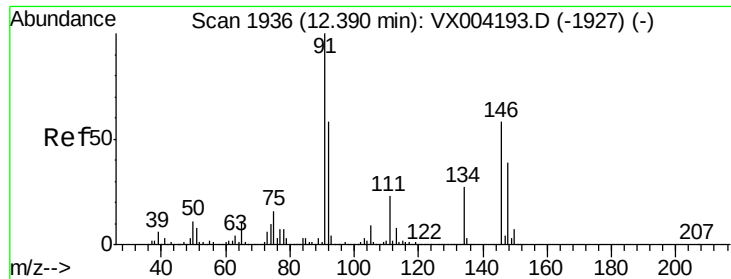
8/28/2018 3:54:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.16 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.0
148	65.3	32.3	96.8





#89
n-Butylbenzene
Concen: 19.89 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

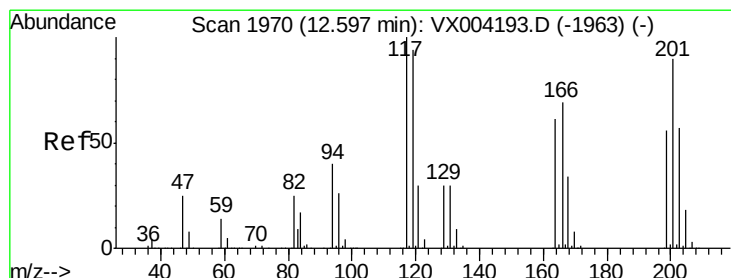
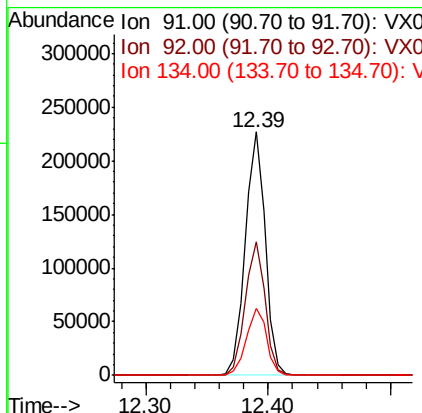
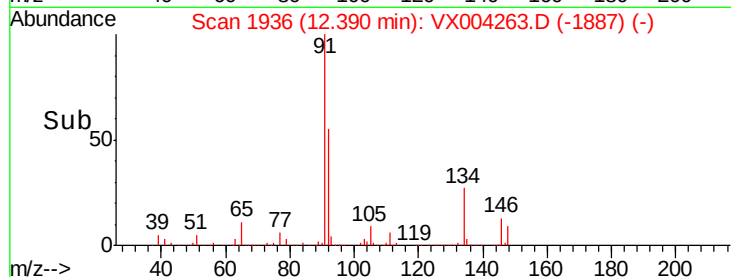
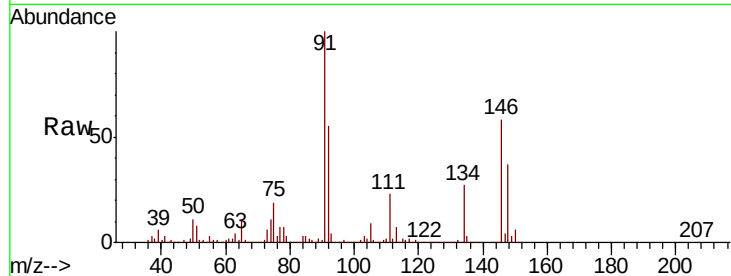
Instrument :
MSVOA_X
ClientSampled :
VX0827MBS01

Tot Ion:	91	Resp:	255963
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.1	81.3
134	28.0	13.6	40.7

Manual Integrations
APPROVED

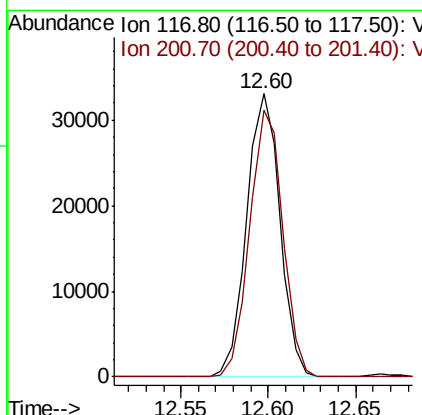
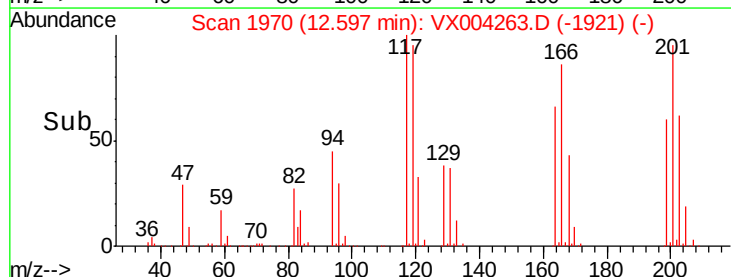
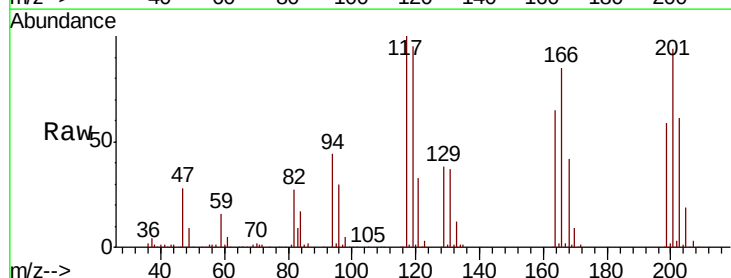
MMDadoda

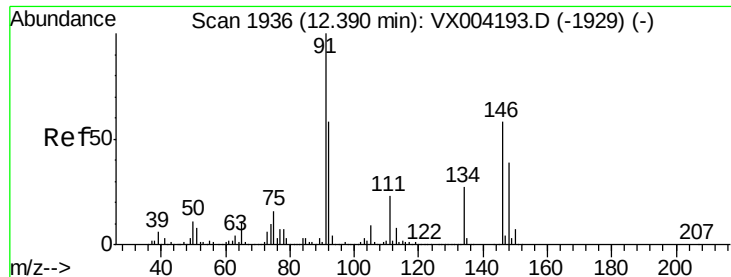
8/28/2018 3:54:20 PM



#90
Hexachloroethane
Concen: 19.80 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004263.D
Acq: 27 Aug 2018 14:47

Tgt Ion:	117	Resp:	43783
Ion	Ratio	Lower	Upper
117	100		
201	93.5	46.1	138.2





#91
 1,2-Dichlorobenzene
 Concen: 19.98 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

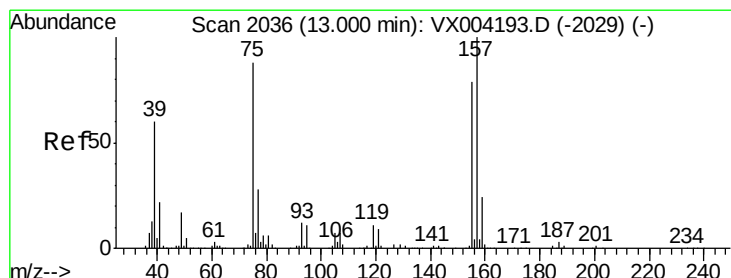
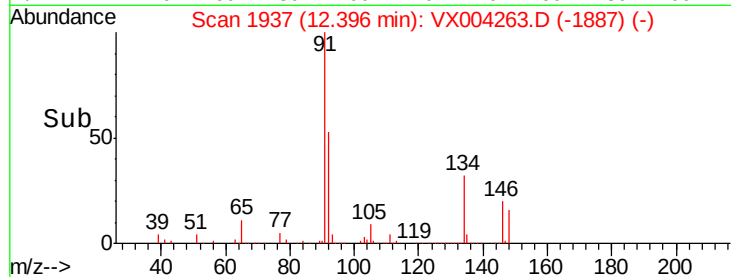
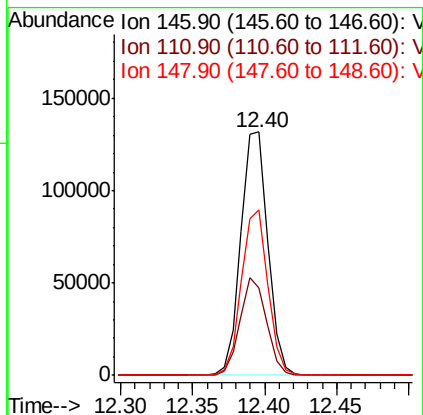
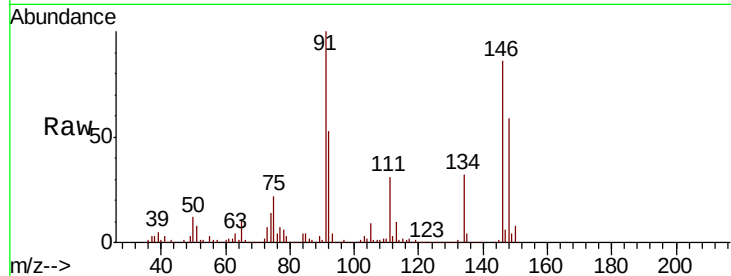
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	66.2	31.9	95.5

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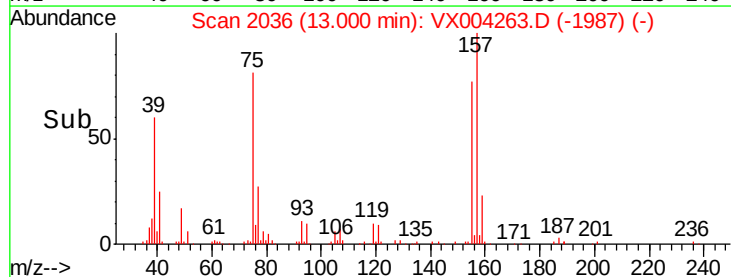
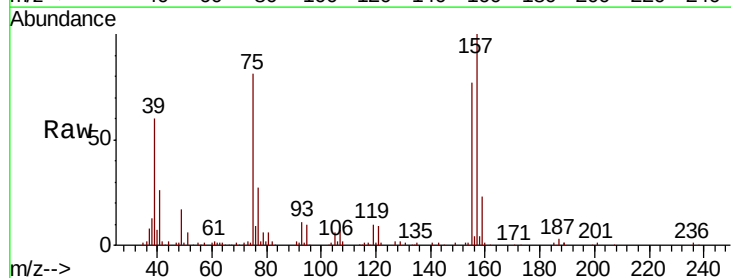
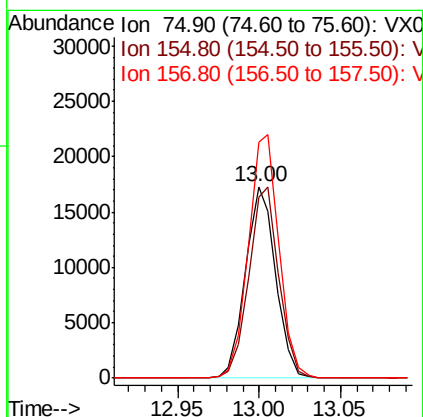
MMDadoda

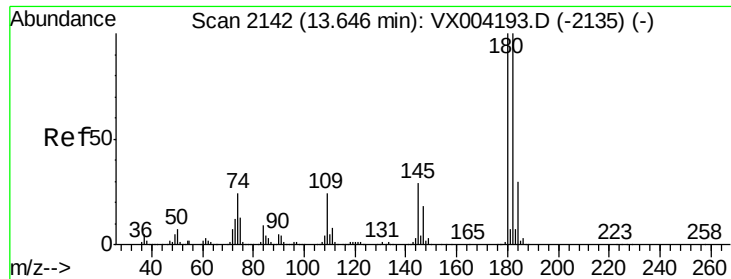
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.21 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	48.7	146.1
157	128.7	62.6	187.8





#93
 1,2,4-Trichlorobenzene
 Concen: 20.28 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

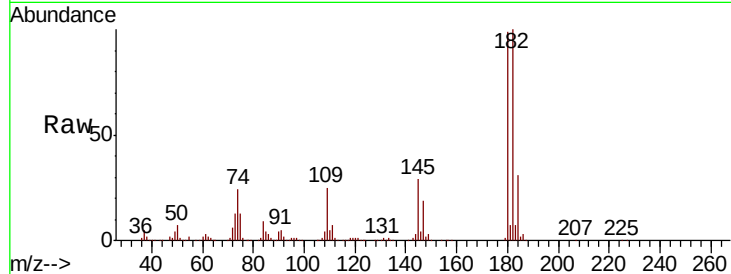
Instrument :
 MSVOA_X
 ClientSampled :
 VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127147		
182	96.9	47.7	143.1	
145	28.1	13.9	41.6	

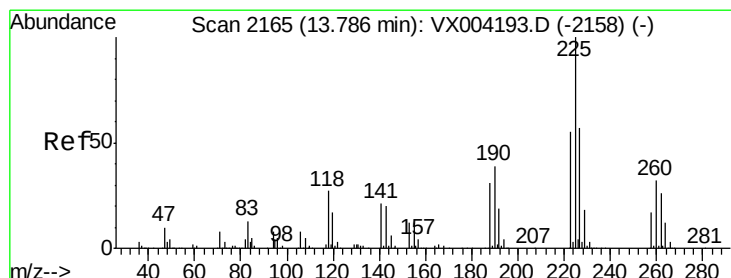
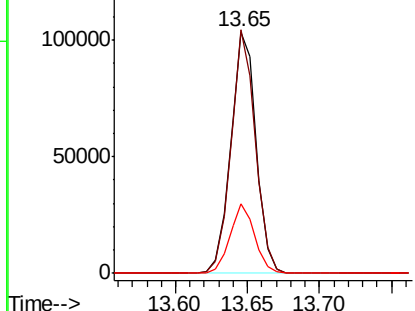
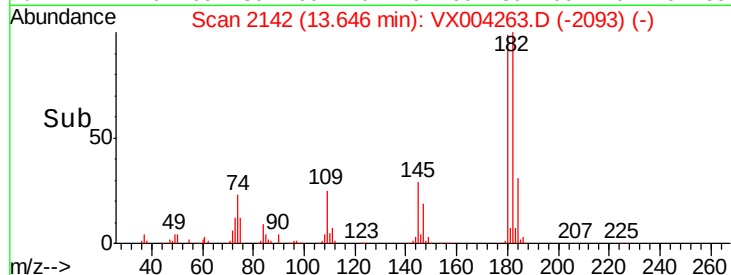
Manual Integrations
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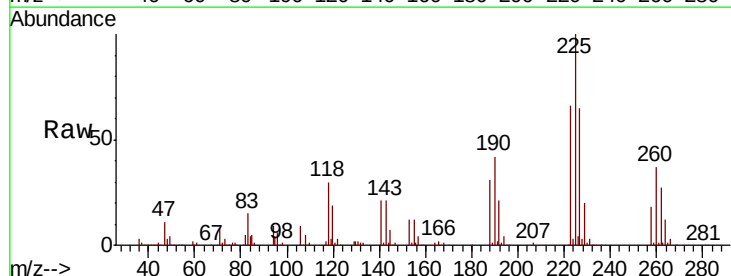


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

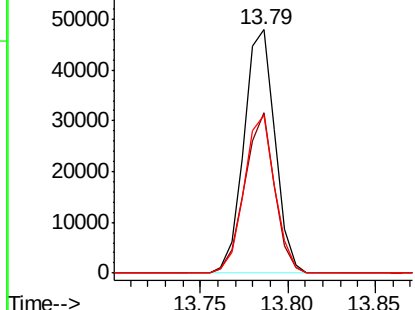
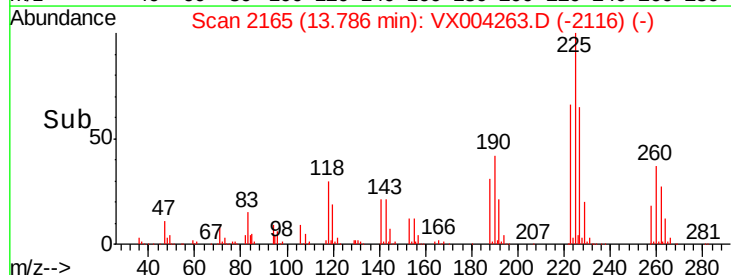


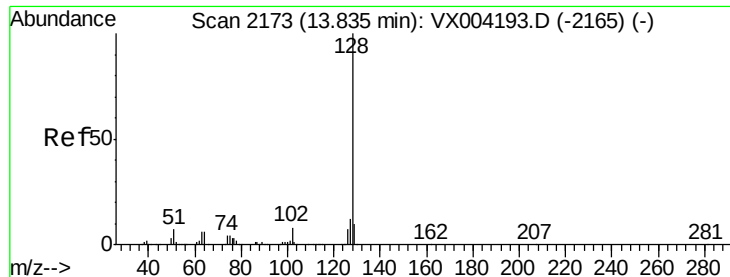
#94
 Hexachlorobutadiene
 Concen: 20.15 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004263.D
 Acq: 27 Aug 2018 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59005		
223	63.2	31.4	94.0	
227	64.1	32.1	96.5	



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





#95

Naphthalene

Concen: 21.95 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

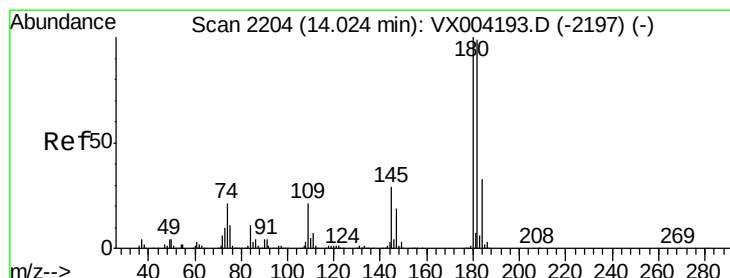
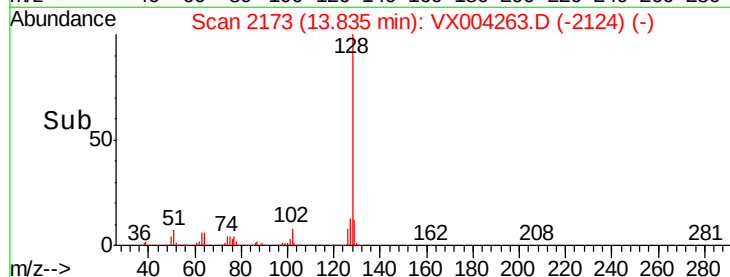
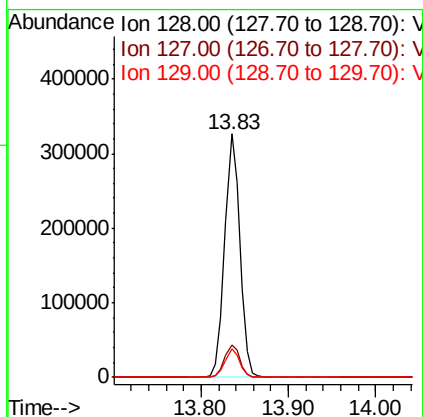
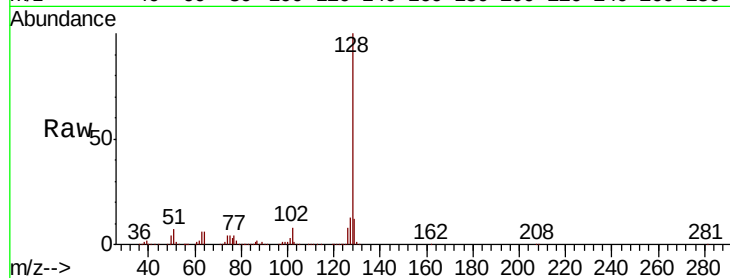
VX0827MBS01

Tot Ion:	128	Resp:	389109
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.2
129	11.4	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.55 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004263.D

Acq: 27 Aug 2018 14:47

Tgt Ion:	180	Resp:	142993
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.1	144.4
145	30.2	14.9	44.7

