

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004188.D
 Acq On : 21 Aug 2018 20:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:16:59 AM

Quant Time: Aug 22 02:04:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	294942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	428098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	203810	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	5.50	113	174466	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	8.71	98	665402	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.14	95	250948	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	129585	45.13	ug/l	98
3) Chloromethane	1.32	50	166618	47.29	ug/l	99
4) Vinyl Chloride	1.40	62	176297	46.25	ug/l	98
5) Bromomethane	1.63	94	86078	44.54	ug/l	98
6) Chloroethane	1.71	64	125016	49.85	ug/l	95
7) Trichlorofluoromethane	1.92	101	247894	46.36	ug/l	99
8) Diethyl Ether	2.18	74	112044	47.99	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	153434	45.99	ug/l	99
10) Methyl Iodide	2.50	142	157216	44.71	ug/l	99
11) Tert butyl alcohol	3.08	59	212509	253.95	ug/l	100
12) 1,1-Dichloroethene	2.37	96	146031	47.07	ug/l	99
13) Acrolein	2.29	56	125809	222.83	ug/l	99
14) Allyl chloride	2.72	41	284296	48.15	ug/l	100
15) Acrylonitrile	3.15	53	520547	249.49	ug/l	99
16) Acetone	2.45	43	514417	238.09	ug/l	100
17) Carbon Disulfide	2.56	76	380956	43.29	ug/l	100
18) Methyl Acetate	2.78	43	273997	57.07	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	525725	48.09	ug/l	99
20) Methylene Chloride	2.86	84	178315	50.50	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	163380	46.37	ug/l	92
22) Diisopropyl ether	3.87	45	546740	47.26	ug/l	97
23) Vinyl Acetate	3.82	43	2274771	239.41	ug/l	98
24) 1,1-Dichloroethane	3.69	63	310347	47.36	ug/l	100
25) 2-Butanone	4.70	43	839131	238.70	ug/l	99
26) 2,2-Dichloropropane	4.58	77	205909	39.53	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	193576	48.85	ug/l	94
28) Bromochloromethane	5.01	49	156233	51.97	ug/l	99
29) Tetrahydrofuran	5.16	42	428843	238.77	ug/l	100
30) Chloroform	5.21	83	317388	49.63	ug/l	100
31) Cyclohexane	5.57	56	262194	45.64	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	267248	50.01	ug/l	99
36) 1,1-Dichloropropene	5.79	75	231651	46.06	ug/l	99
37) Ethyl Acetate	4.86	43	247645	45.22	ug/l	99
38) Carbon Tetrachloride	5.78	117	229585	46.99	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	271634	47.61	ug/l	98
40) Benzene	6.14	78	729283	48.29	ug/l	100
41) Methacrylonitrile	5.06	41	142026	46.30	ug/l	99
42) 1,2-Dichloroethane	6.20	62	249481	47.20	ug/l	100
43) Isopropyl Acetate	6.46	43	384521	47.63	ug/l	99
44) Trichloroethene	7.21	130	195571	47.70	ug/l	93
45) 1,2-Dichloropropane	7.52	63	187223	48.43	ug/l	100
46) Dibromomethane	7.67	93	122544	48.51	ug/l	100
47) Bromodichloromethane	7.90	83	239019	49.95	ug/l	98
48) Methyl methacrylate	7.78	41	205321	50.53	ug/l	97
49) 1,4-Dioxane	7.76	88	96299	1052.56	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1685692	254.67	ug/l	99
52) Toluene	8.79	92	468777	49.08	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	260215	50.34	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	284489	49.70	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	191739	48.62	ug/l	99
56) Ethyl methacrylate	9.18	69	283638	52.89	ug/l	100
57) 1,3-Dichloropropane	9.37	76	322901	49.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	720802	263.93	ug/l	99
59) 2-Hexanone	9.50	43	1293582	259.67	ug/l	99
60) Dibromochloromethane	9.59	129	195507	51.51	ug/l	98
61) 1,2-Dibromoethane	9.67	107	199356	49.58	ug/l	99
64) Tetrachloroethene	9.34	164	186895	46.06	ug/l	97
65) Chlorobenzene	10.14	112	526859	47.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	189082	50.13	ug/l	99
67) Ethyl Benzene	10.25	91	893232	51.01	ug/l	98
68) m/p-Xylenes	10.36	106	703246	102.56	ug/l	97
69) o-Xylene	10.70	106	317210	48.40	ug/l	93
70) Styrene	10.71	104	530800	48.13	ug/l	99
71) Bromoform	10.86	173	143216	47.89	ug/l	99
73) Isopropylbenzene	11.02	105	909777	50.79	ug/l	96
74) N-amyl acetate	6.46	43	384521	45.64	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	298876	47.78	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	272824m	51.40	ug/l	
77) Bromobenzene	11.26	156	237016	48.00	ug/l	98
78) n-propylbenzene	11.36	91	1042228	52.00	ug/l	99
79) 2-Chlorotoluene	11.42	91	617121	50.52	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	758332	51.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	83142	48.49	ug/l	99
82) 4-Chlorotoluene	11.51	91	711904	49.30	ug/l	98
83) tert-Butylbenzene	11.77	119	763764	51.65	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	766342	50.45	ug/l	98
85) sec-Butylbenzene	11.95	105	899298	51.96	ug/l	99
86) p-Isopropyltoluene	12.07	119	815553	52.05	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	445333	47.29	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	452638	46.70	ug/l	99
89) n-Butylbenzene	12.39	91	634342	51.38	ug/l	99
90) Hexachloroethane	12.60	117	109950	46.90	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	419109	49.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53563	48.72	ug/l	97

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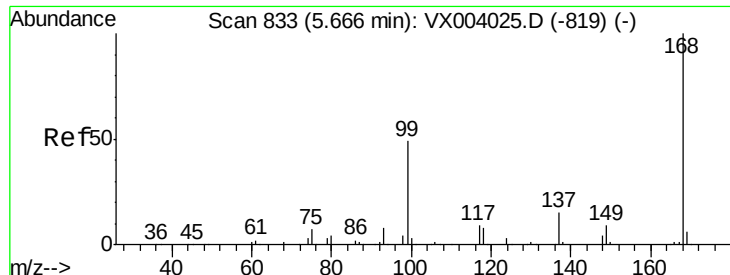
Manual Integrations
APPROVED

MMDadoda
8/22/2018 11:16:59 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	296121	51.01	ug/l	98
94) Hexachlorobutadiene	13.78	225	134129	46.09	ug/l	98
95) Naphthalene	13.83	128	944826	51.03	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	315992	49.92	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 294942

Ion Ratio Lower Upper

168 100

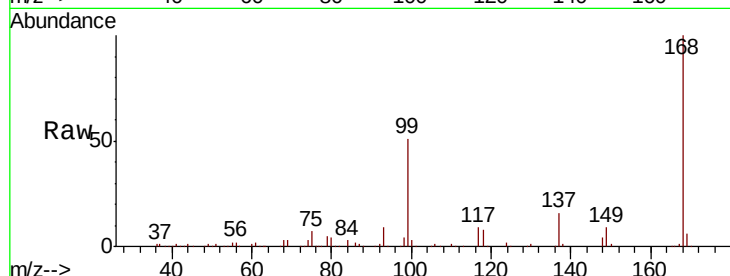
99 50.9 40.1 60.1

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

120000

100000

80000

60000

40000

20000

0

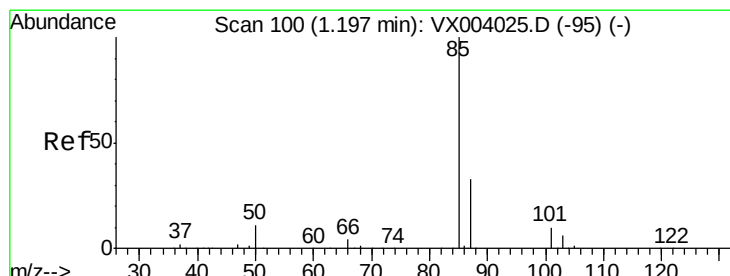
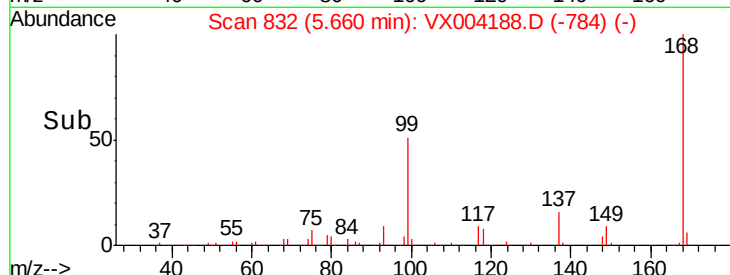
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.13 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004188.D

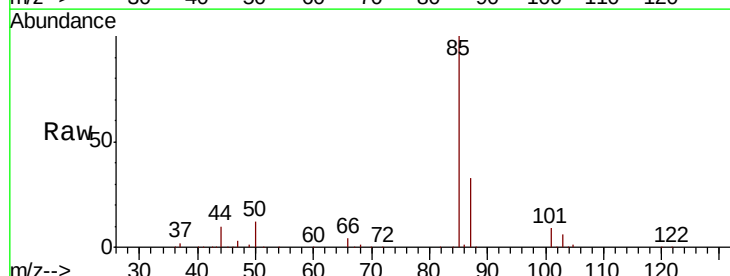
Acq: 21 Aug 2018 20:42

Tgt Ion: 85 Resp: 129585

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

50000

0

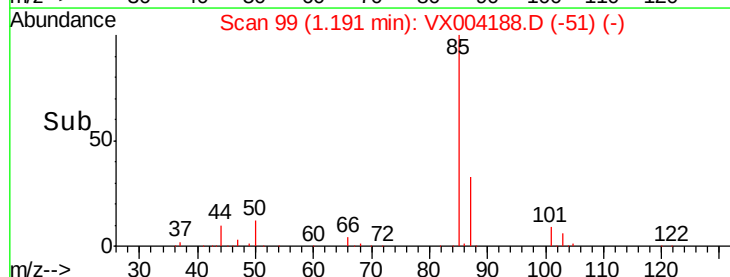
1.15

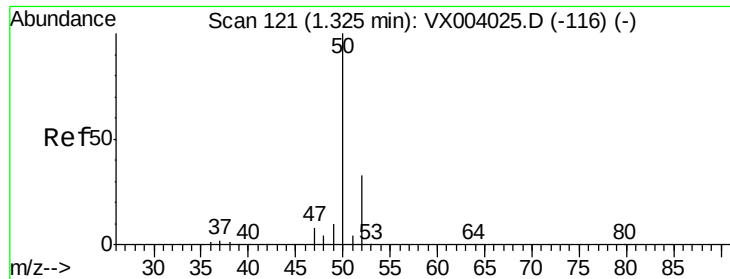
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 47.29 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 166618

Ion Ratio Lower Upper

50 100

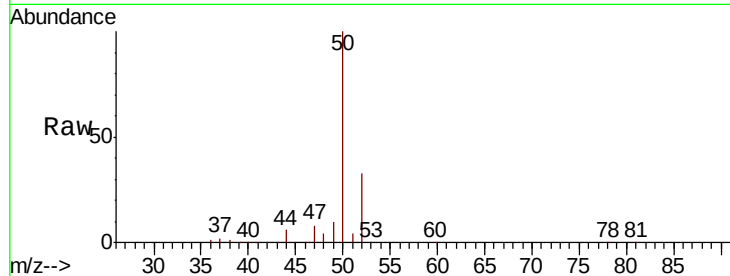
52 32.8 26.6 39.8

Manual Integrations

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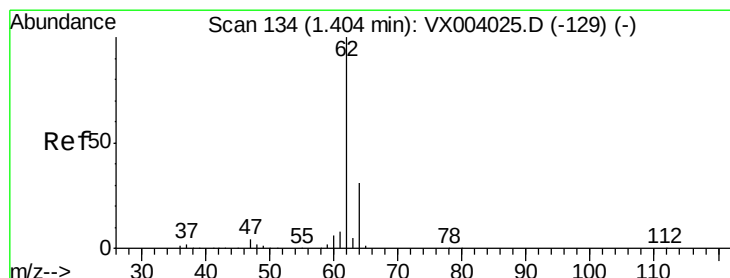
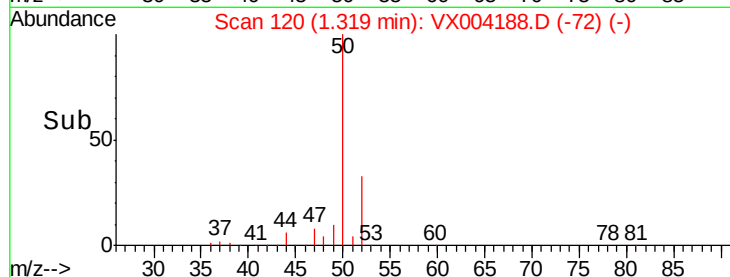
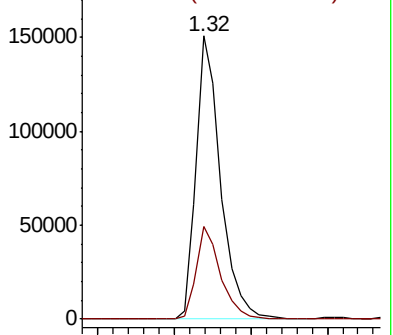
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.25 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004188.D

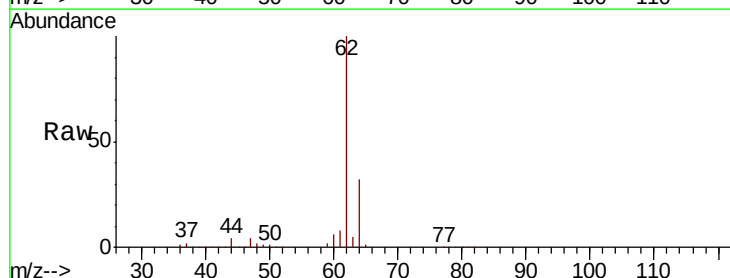
Acq: 21 Aug 2018 20:42

Tgt Ion: 62 Resp: 176297

Ion Ratio Lower Upper

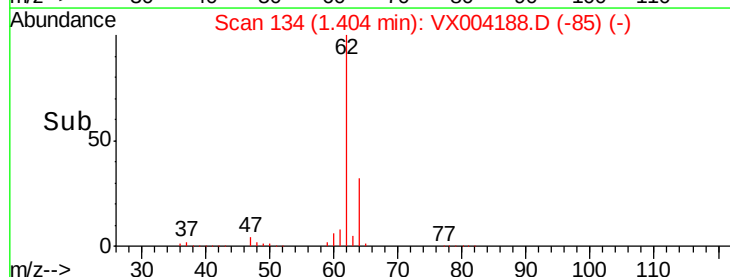
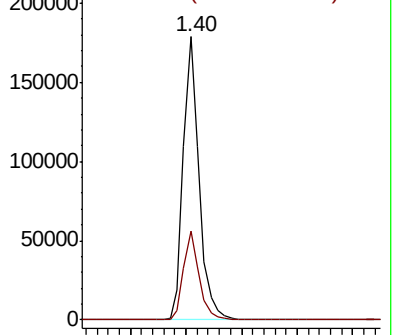
62 100

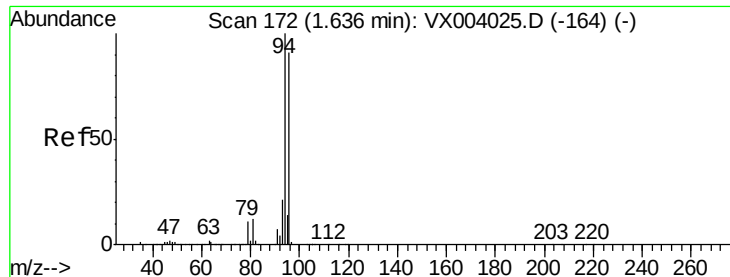
64 31.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.54 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 86078

Ion Ratio Lower Upper

94 100

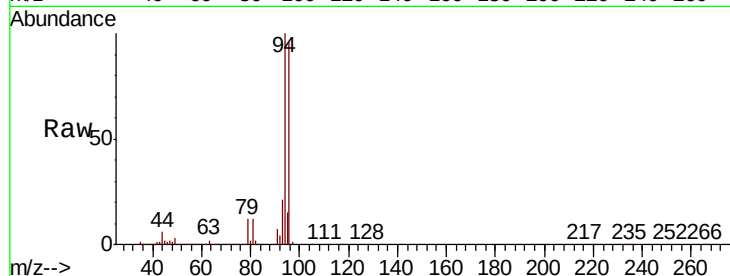
96 95.9 75.2 112.8

Manual Integrations

APPROVED

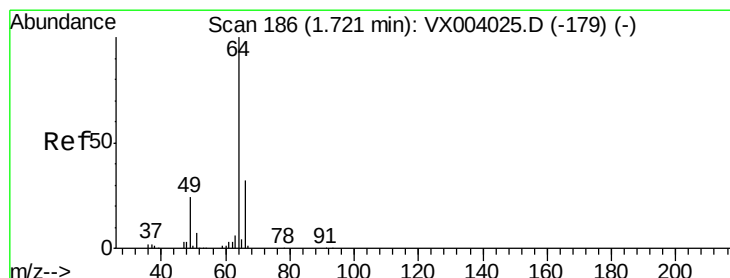
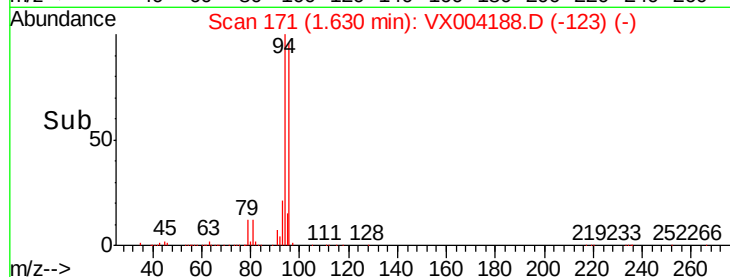
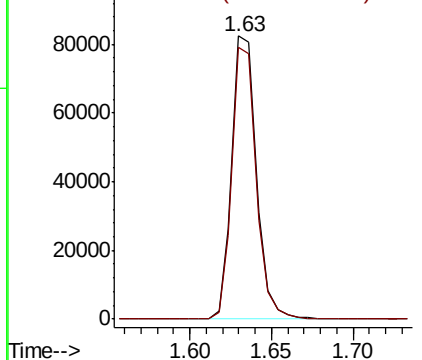
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.85 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004188.D

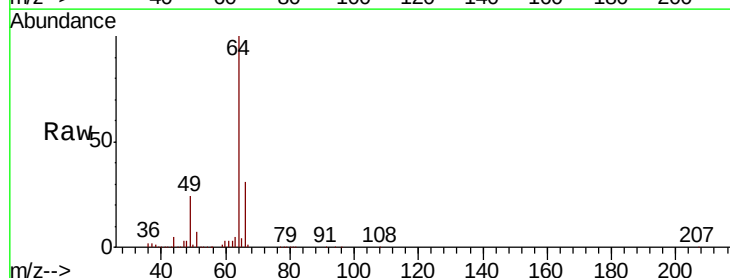
Acq: 21 Aug 2018 20:42

Tgt Ion: 64 Resp: 125016

Ion Ratio Lower Upper

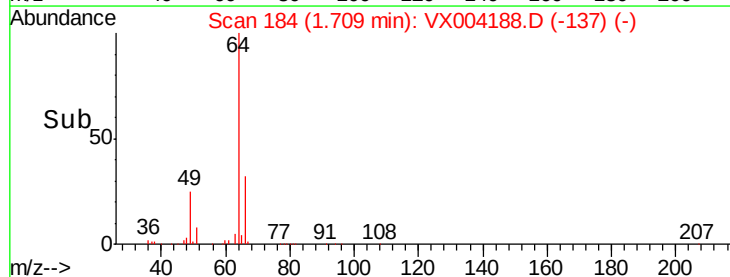
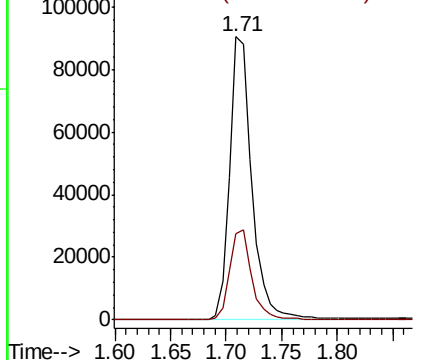
64 100

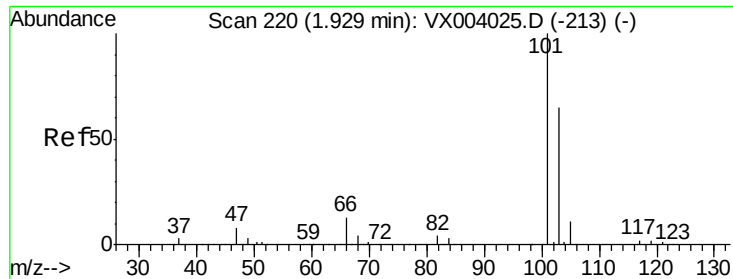
66 30.5 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

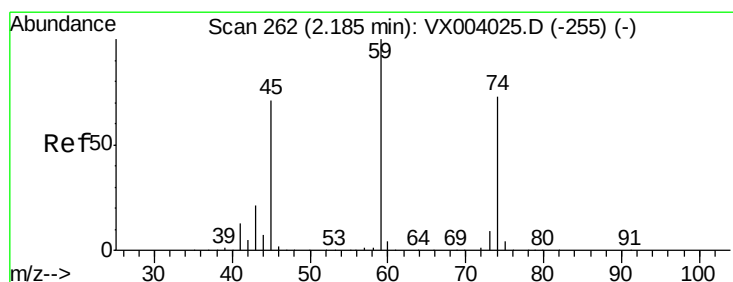
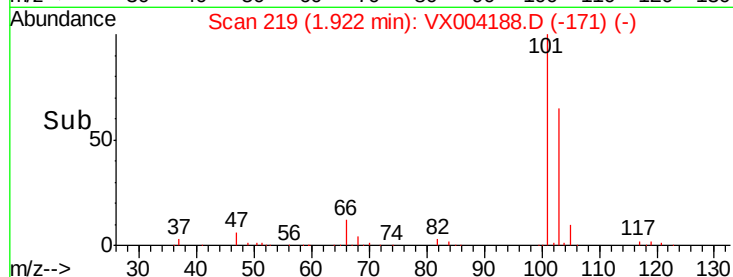
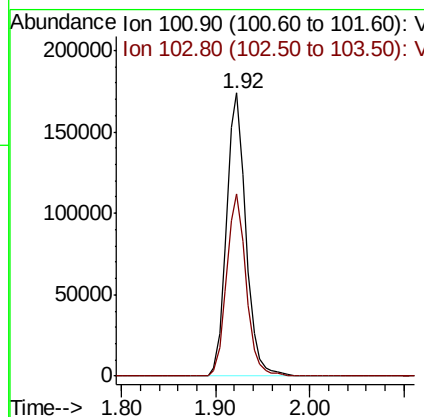
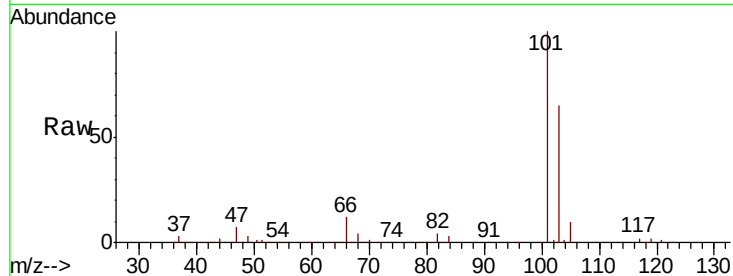
Trichlorofluoromethane
 Concen: 46.36 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.3	78.5

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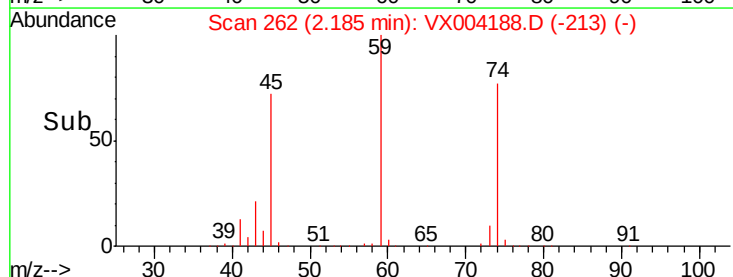
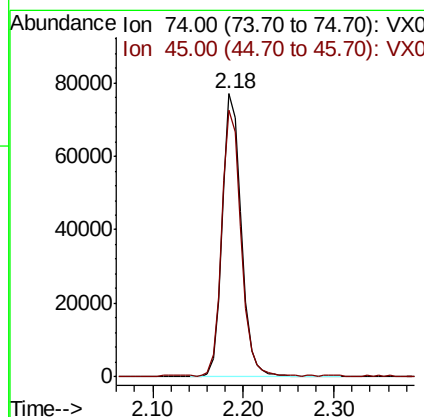
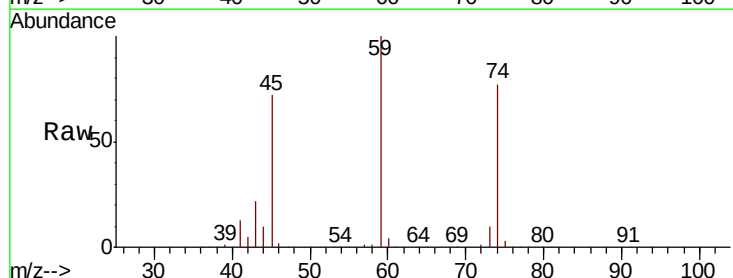
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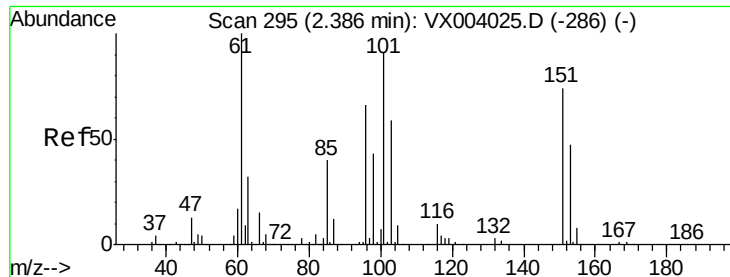


#8

Diethyl Ether
 Concen: 47.99 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.99 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

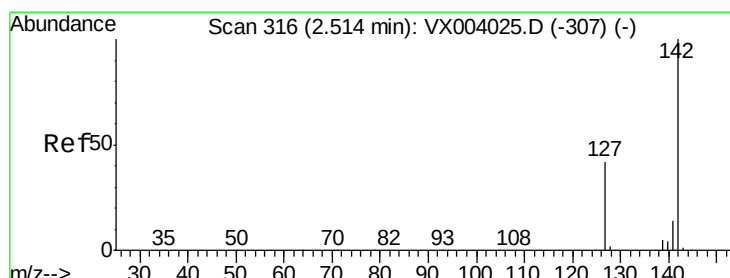
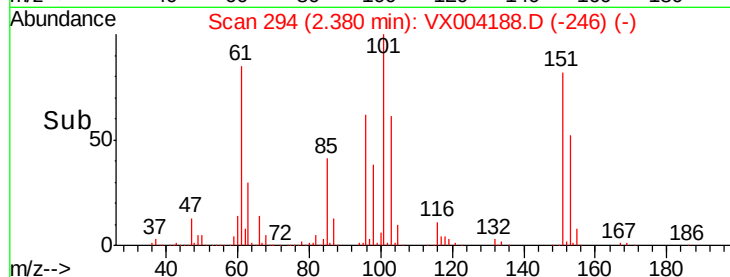
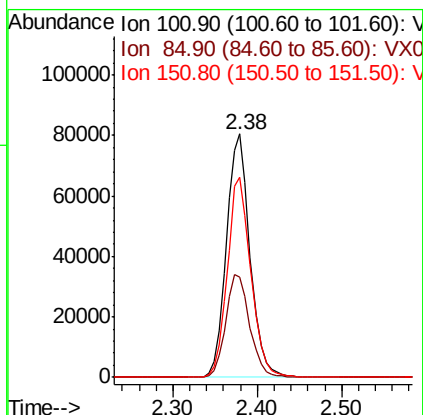
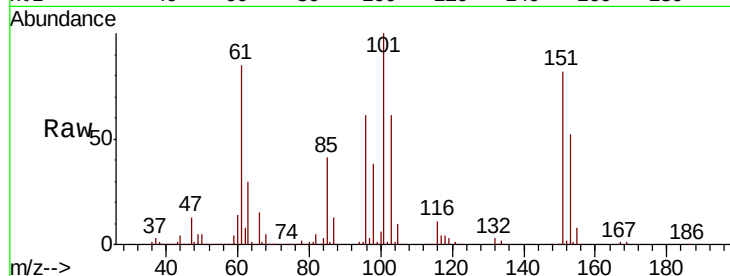
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	153434
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	82.2	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 44.71 ug/l

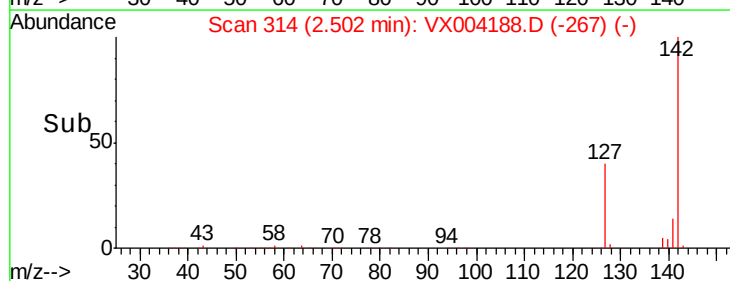
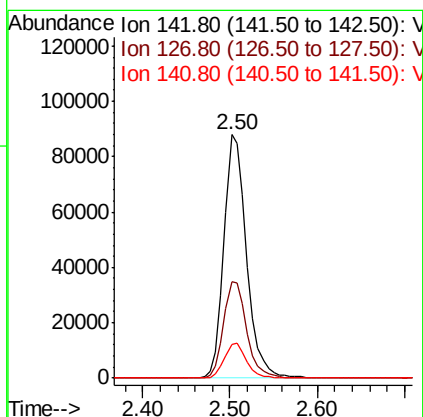
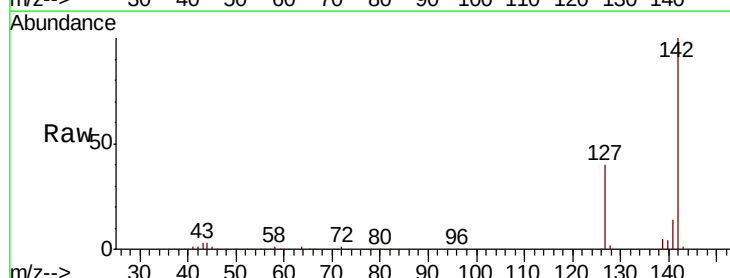
RT: 2.50 min Scan# 314

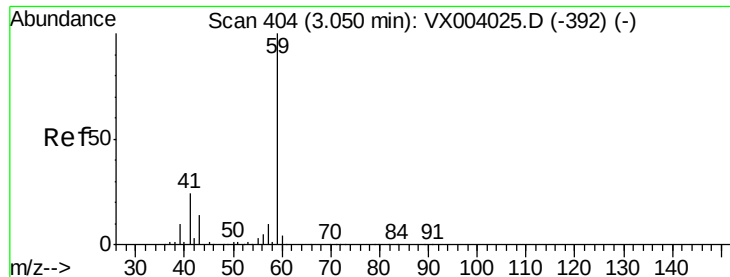
Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	142	Resp:	157216
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.1	49.7
141	14.2	11.1	16.7





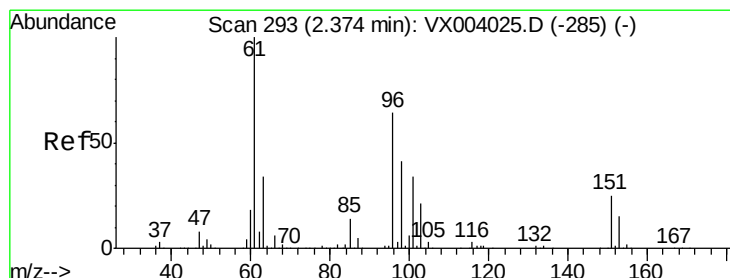
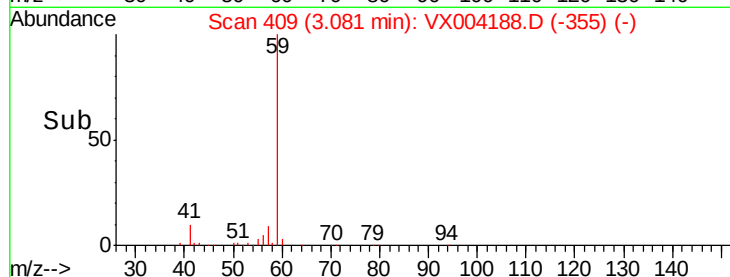
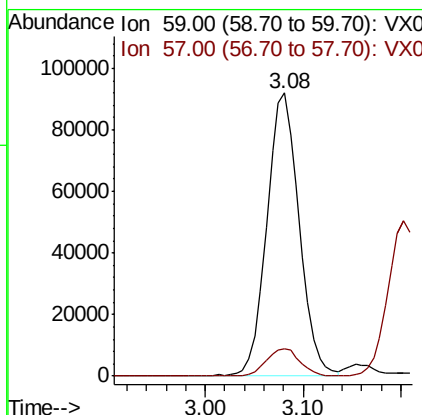
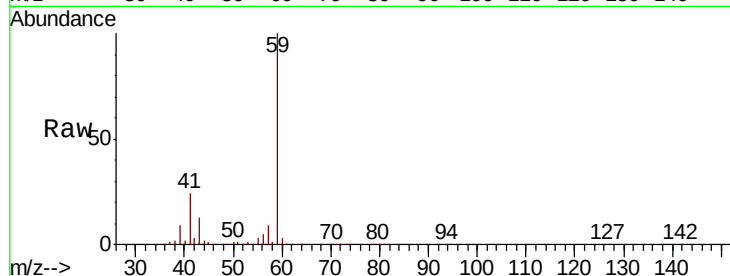
#11
Tert butyl alcohol
Concen: 253.95 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.03 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

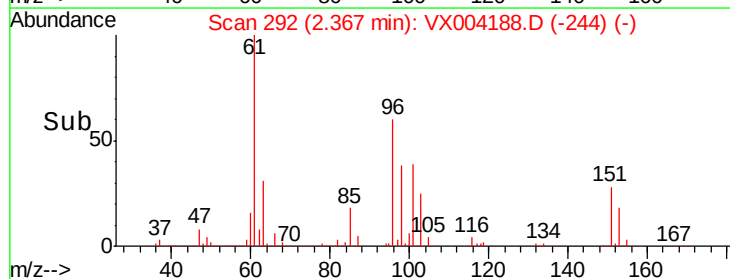
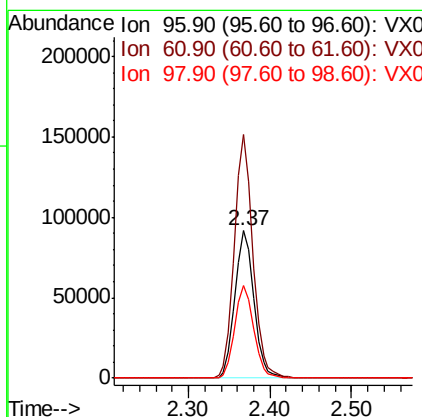
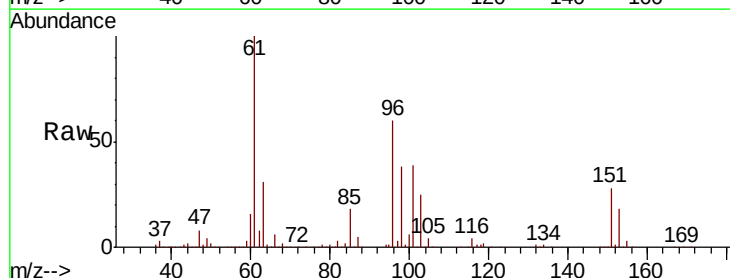
Manual Integrations
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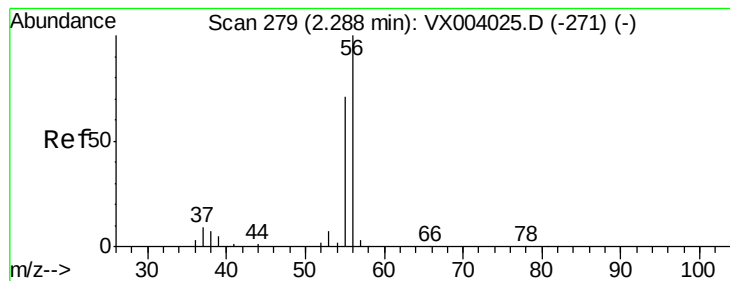
MMDadoda
8/22/2018 11:16:59 AM



#12
1,1-Dichloroethene
Concen: 47.07 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.5	131.3	196.9
98	63.2	51.8	77.6





#13

Acrolein

Concen: 222.83 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 125809

Ion Ratio Lower Upper

56 100

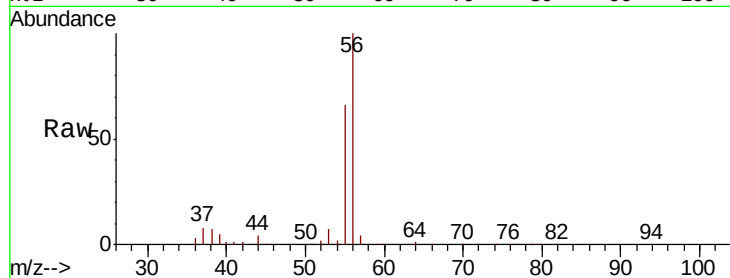
55 69.2 56.1 84.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

80000

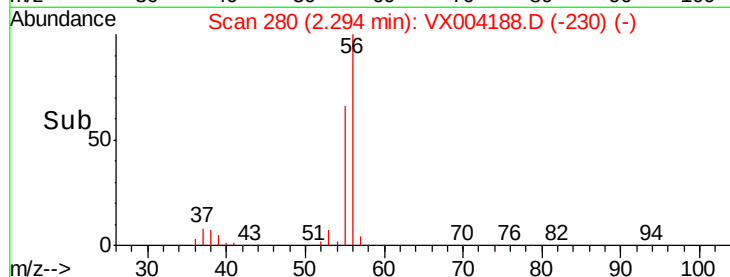
60000

40000

20000

0

Time-->



80000

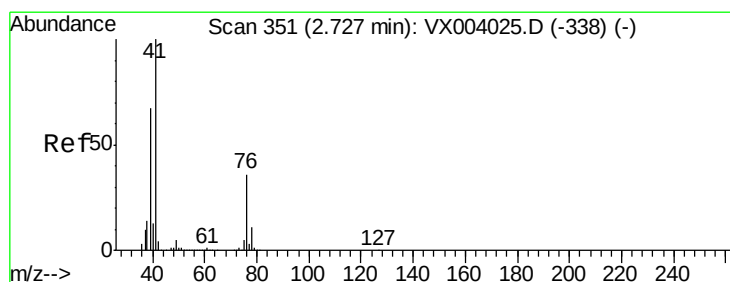
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 48.15 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

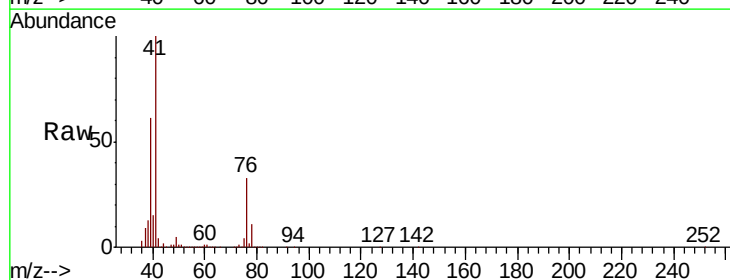
Tgt Ion: 41 Resp: 284296

Ion Ratio Lower Upper

41 100

39 59.2 47.4 71.0

76 32.5 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

200000

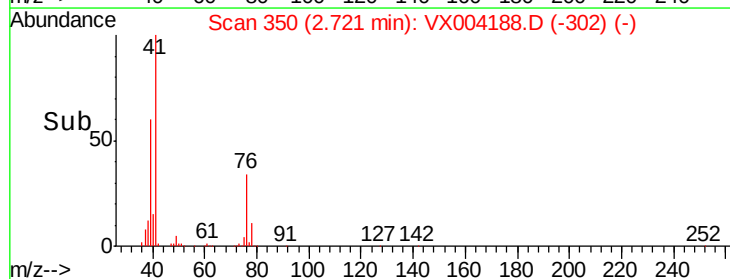
150000

100000

50000

0

Time-->



200000

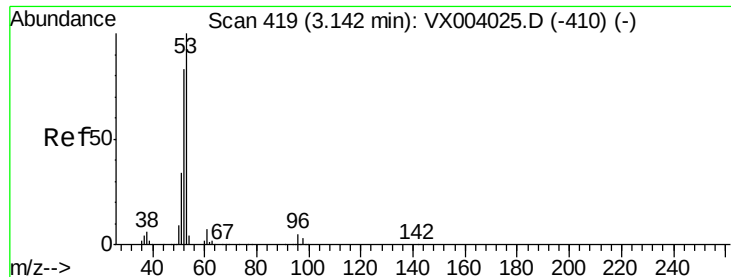
150000

100000

50000

0

Time-->



#15

Acrylonitrile

Concen: 249.49 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

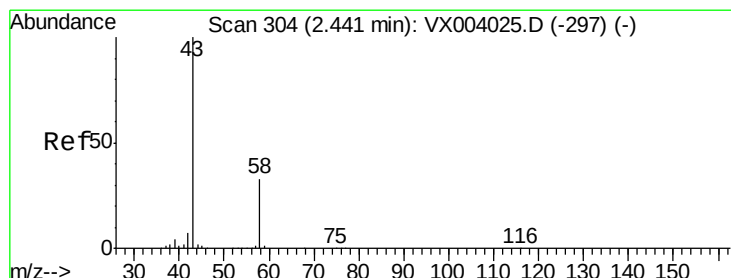
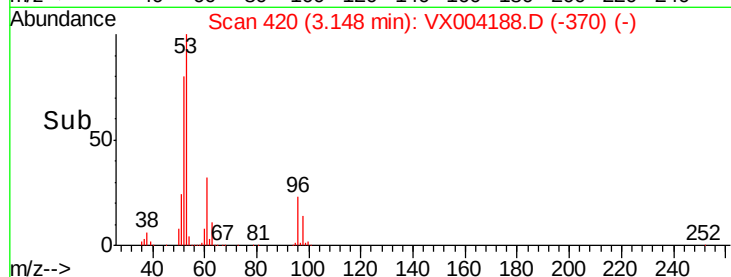
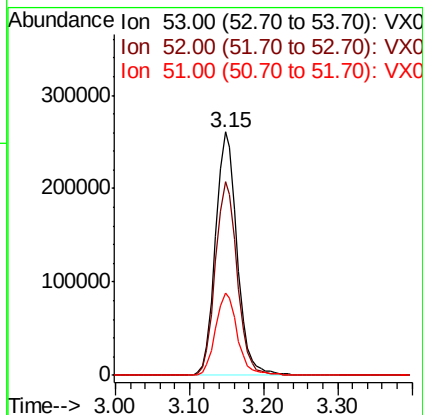
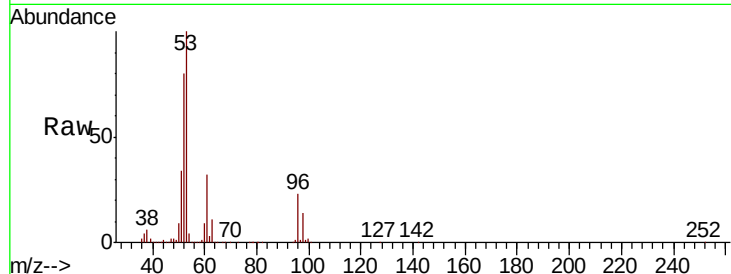
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	520547
Ion Ratio	Lower	Upper	
53	100		
52	80.4	65.3	97.9
51	34.3	27.9	41.9

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#16

Acetone

Concen: 238.09 ug/l

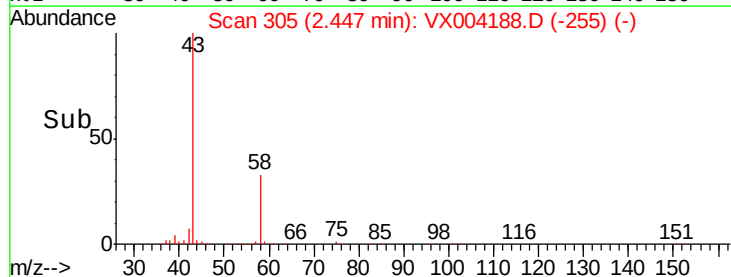
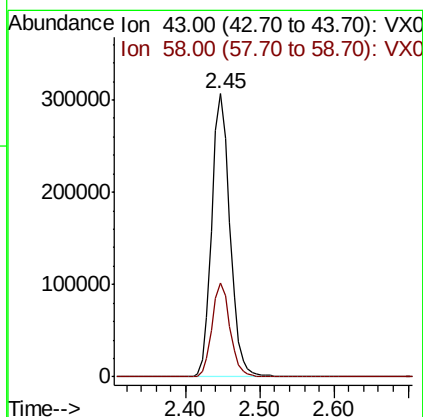
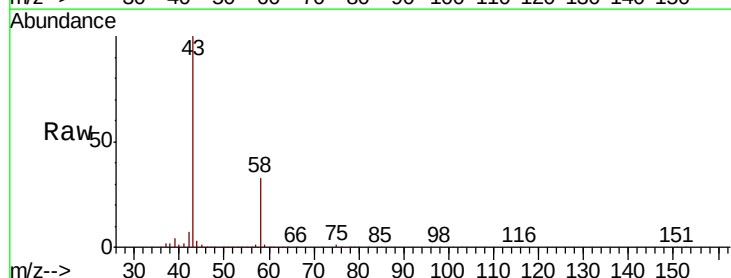
RT: 2.45 min Scan# 305

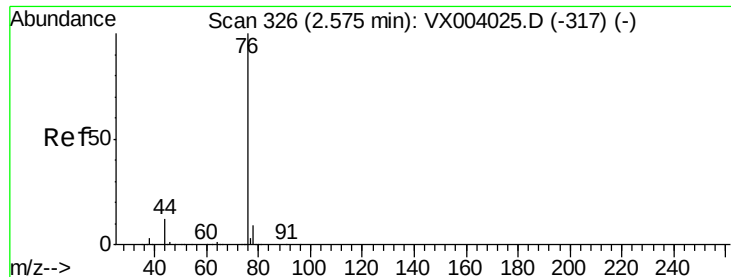
Delta R.T. 0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	43	Resp:	514417
Ion Ratio	Lower	Upper	
43	100		
58	33.0	26.4	39.6





#17

Carbon Disulfide

Concen: 43.29 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 380956

Ion Ratio Lower Upper

76 100

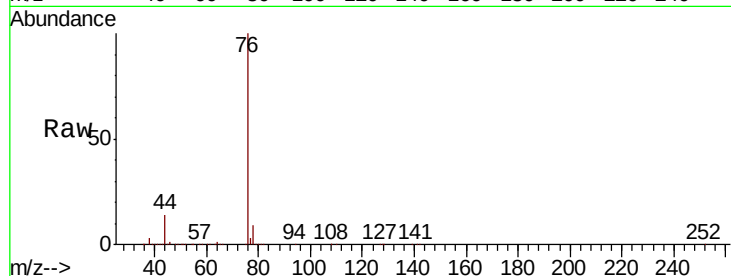
78 9.2 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

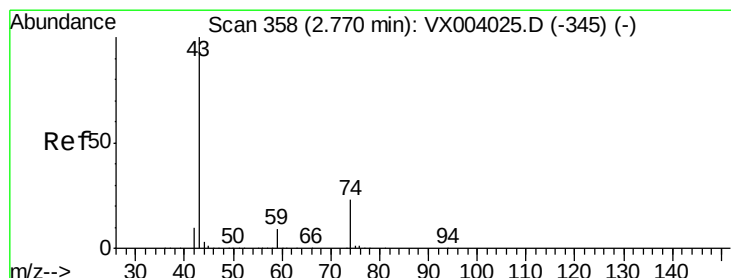
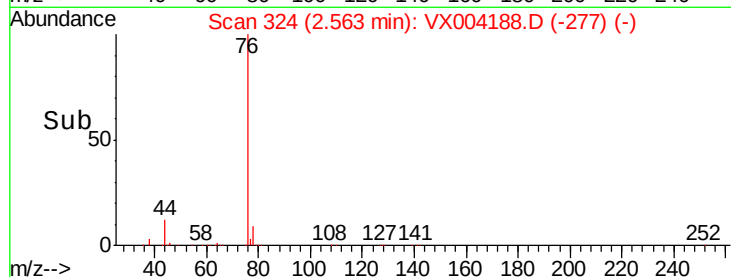
100000

50000

0

2.50 2.56 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 57.07 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004188.D

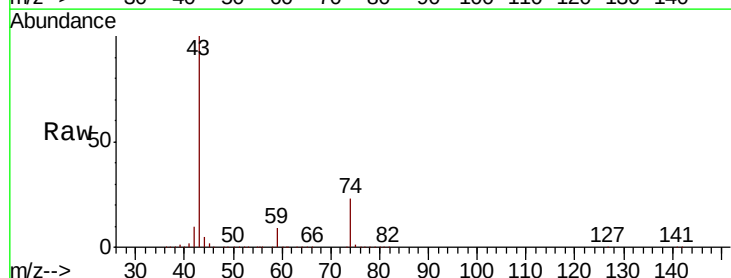
Acq: 21 Aug 2018 20:42

Tgt Ion: 43 Resp: 273997

Ion Ratio Lower Upper

43 100

74 23.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

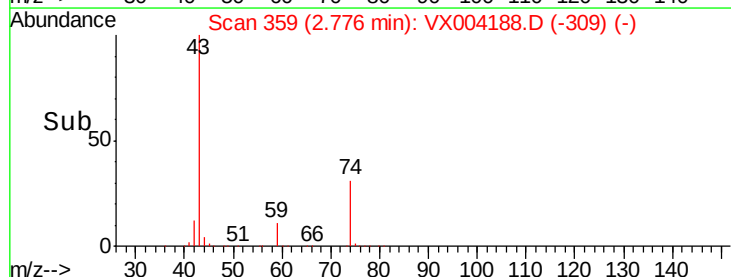
100000

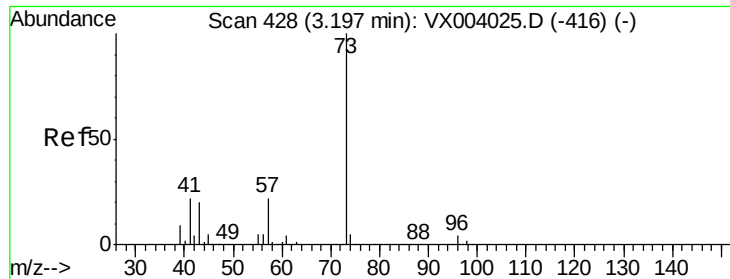
50000

0

2.70 2.78 2.80 2.90 3.00

Time-->





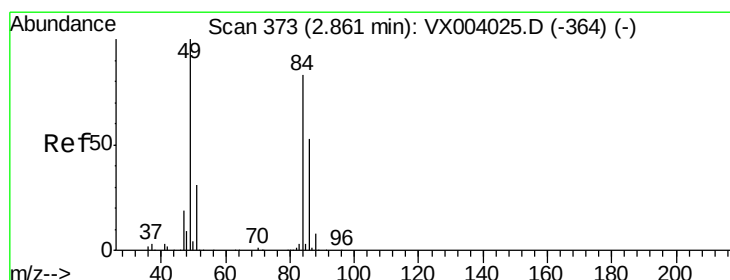
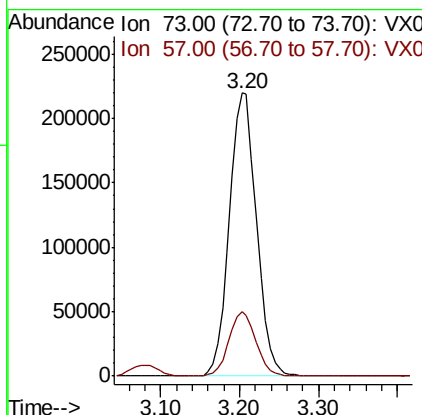
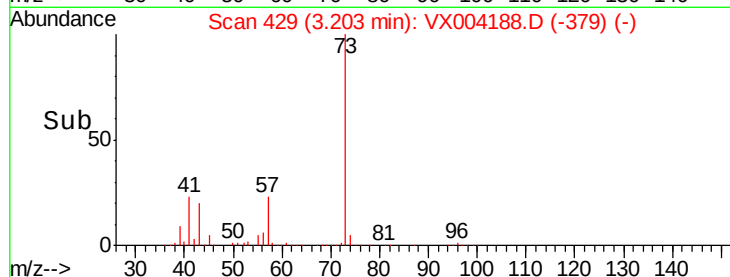
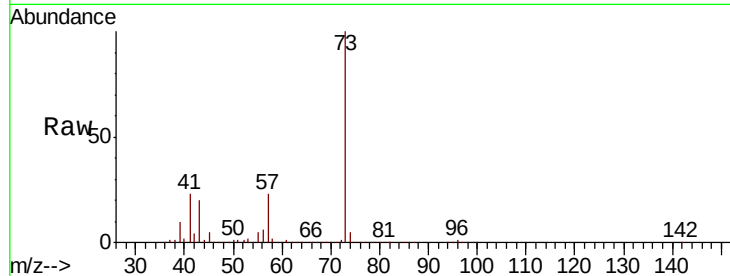
#19
Methyl tert-butyl Ether
Concen: 48.09 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.0	27.0

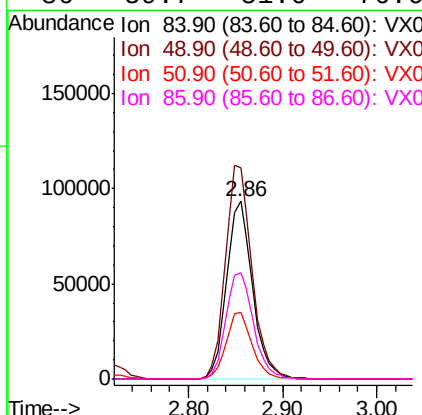
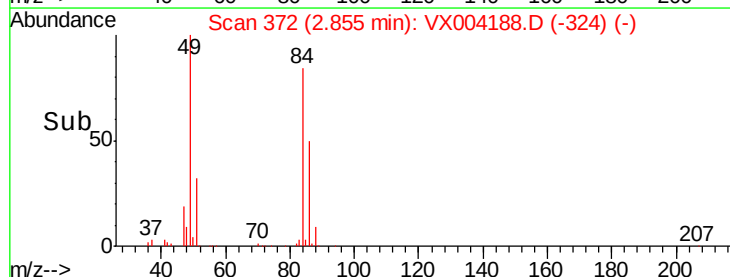
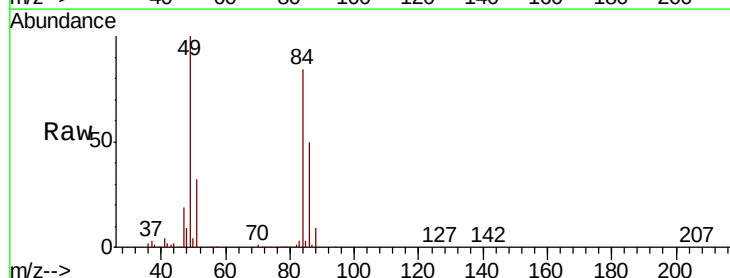
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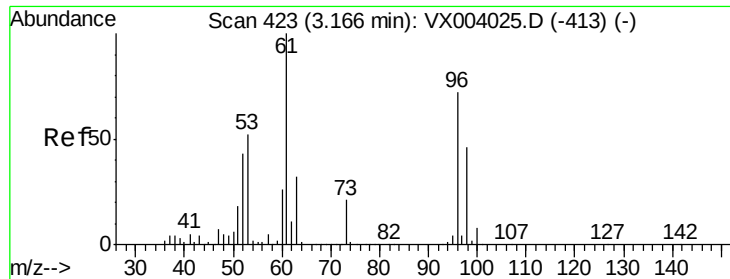
MMDadoda
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#20
Methylene Chloride
Concen: 50.50 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	98.9	148.3
51	37.6	29.9	44.9
86	59.7	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 46.37 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

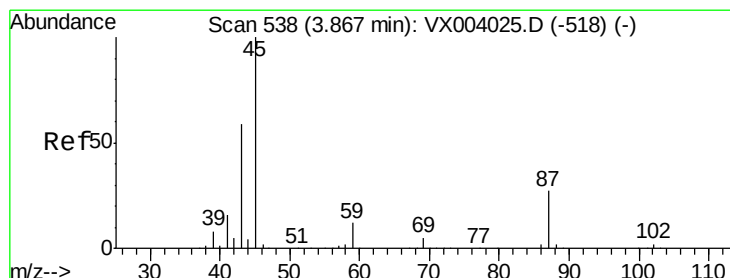
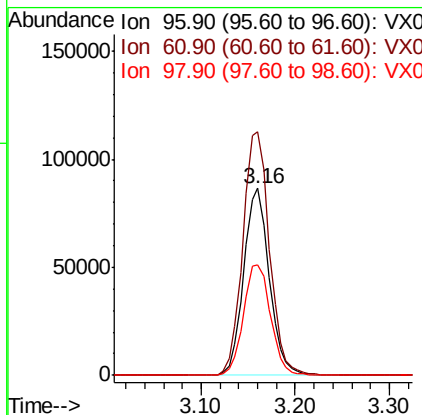
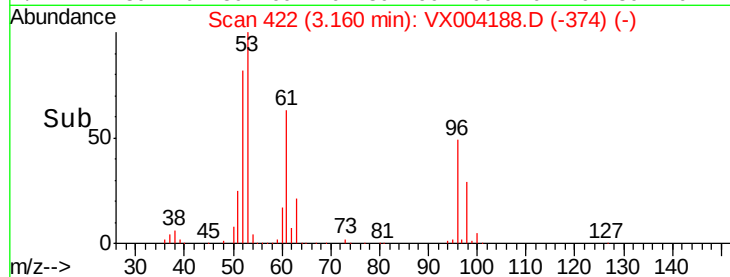
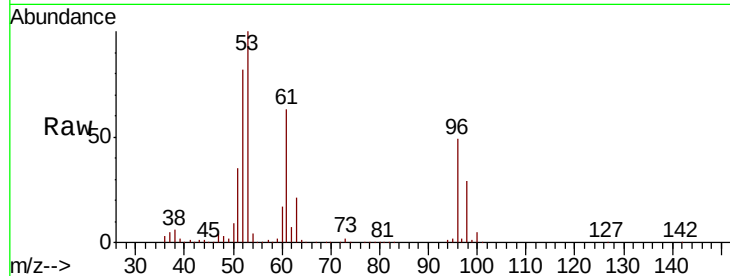
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	163380
Ion	Ratio	Lower	Upper
96	100		
61	130.0	111.8	167.6
98	59.3	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.26 ug/l

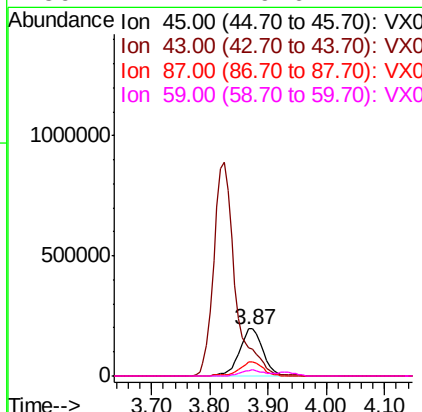
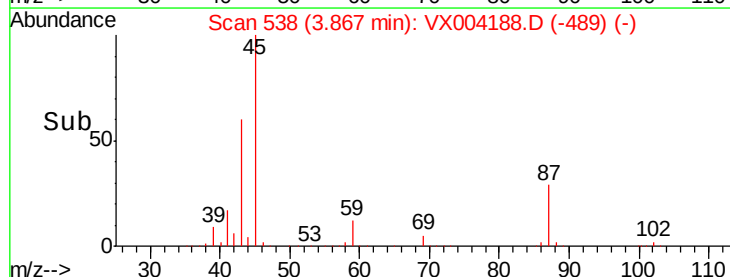
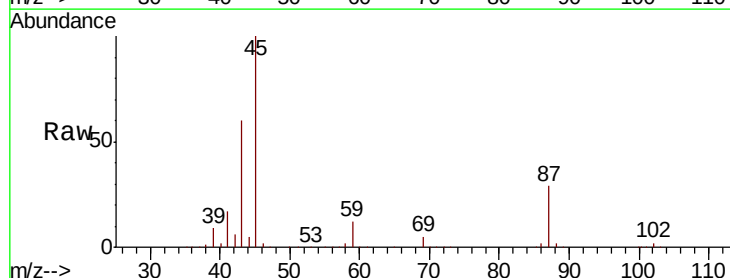
RT: 3.87 min Scan# 538

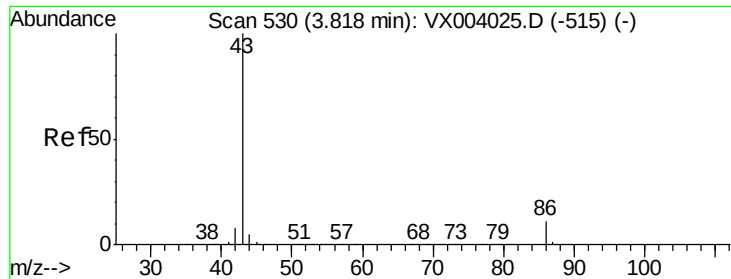
Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	45	Resp:	546740
Ion	Ratio	Lower	Upper
45	100		
43	60.0	45.3	67.9
87	28.7	22.7	34.1
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 239.41 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2274771

Ion Ratio Lower Upper

43 100

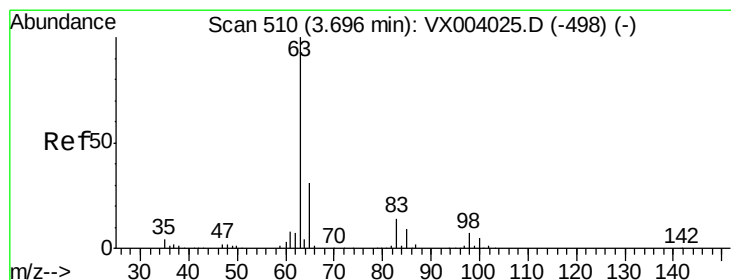
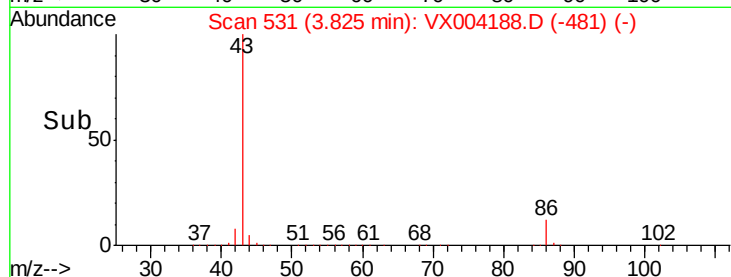
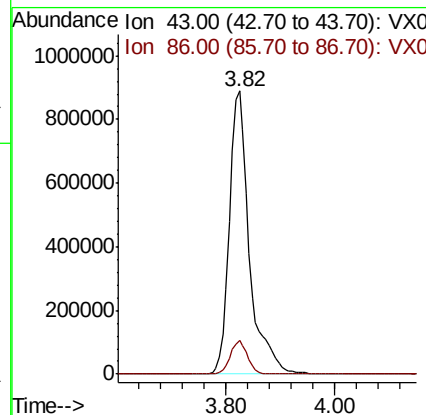
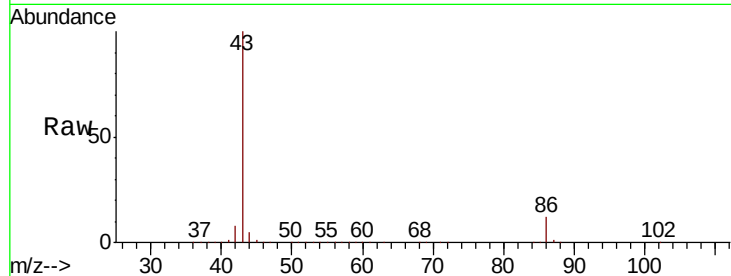
86 11.7 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 47.36 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

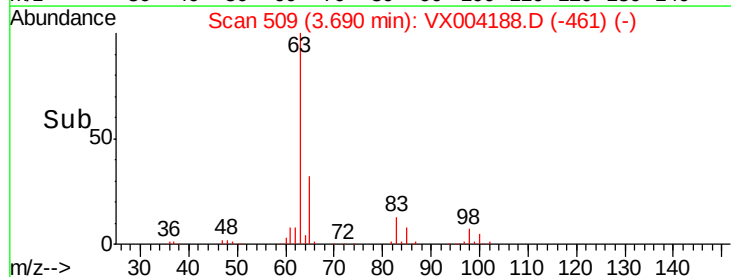
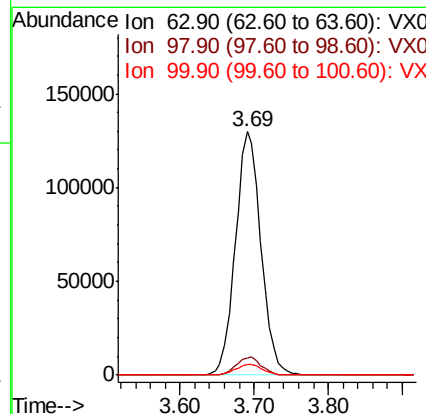
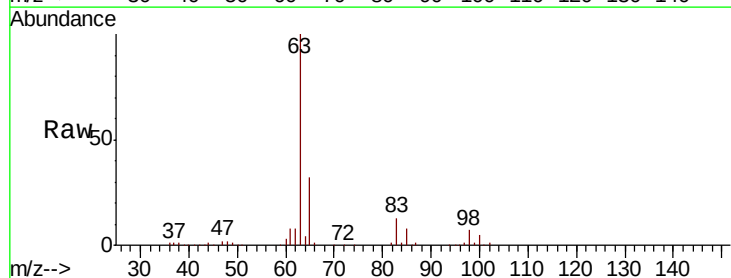
Tgt Ion: 63 Resp: 310347

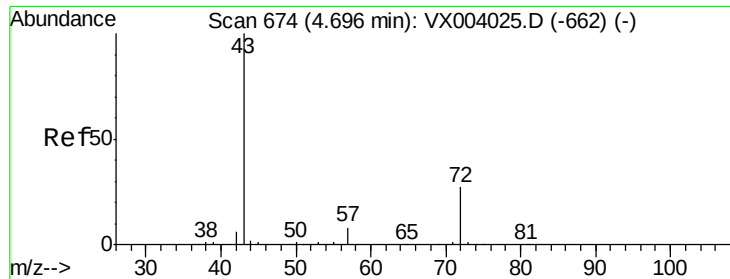
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 238.70 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 839131

Ion Ratio Lower Upper

43 100

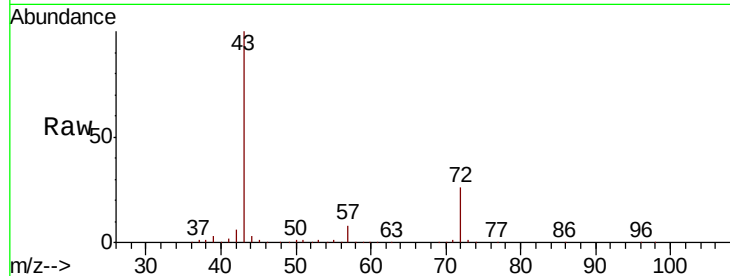
72 26.3 21.4 32.0

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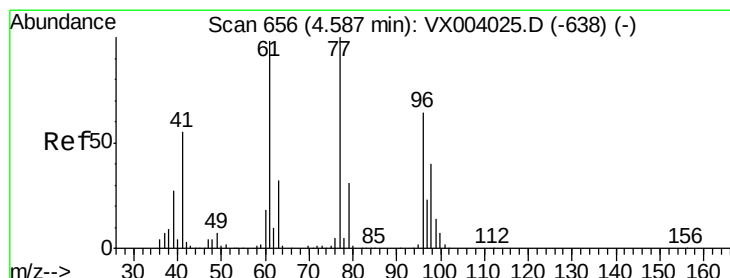
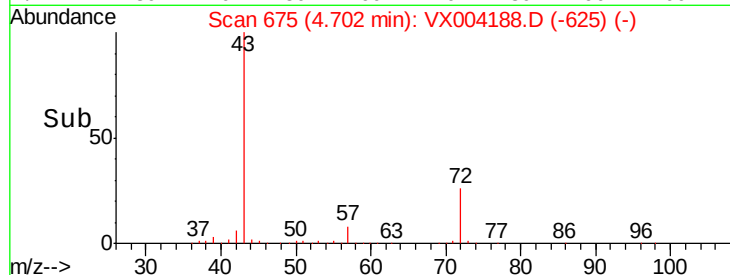
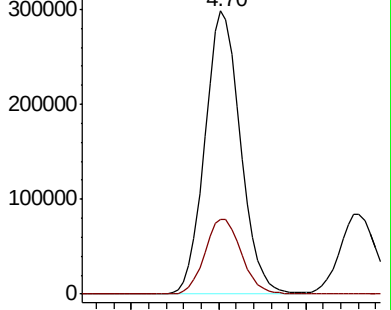
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 39.53 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004188.D

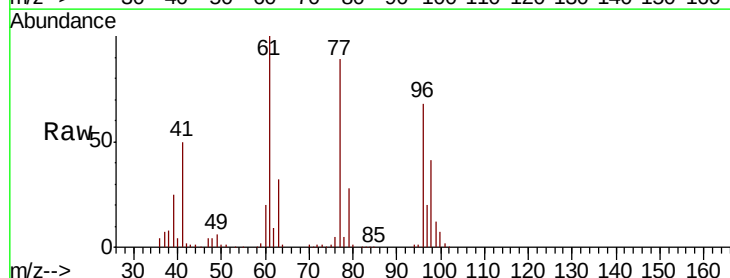
Acq: 21 Aug 2018 20:42

Tgt Ion: 77 Resp: 205909

Ion Ratio Lower Upper

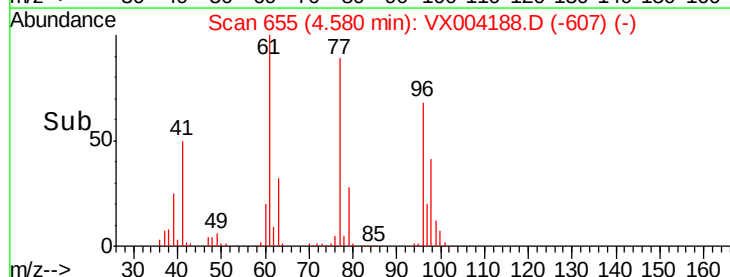
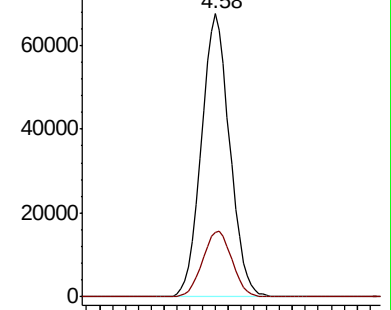
77 100

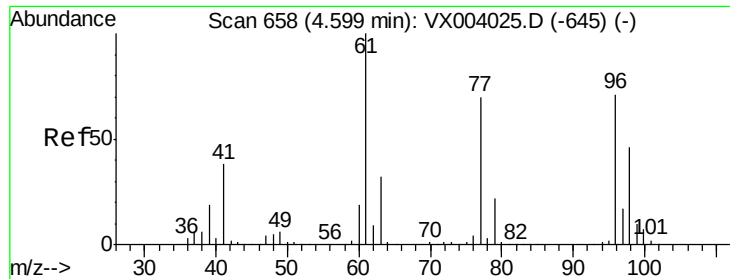
97 24.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 48.85 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

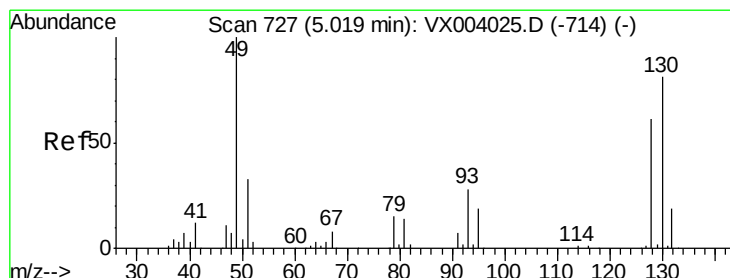
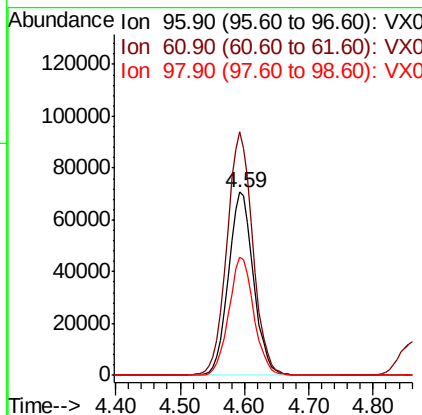
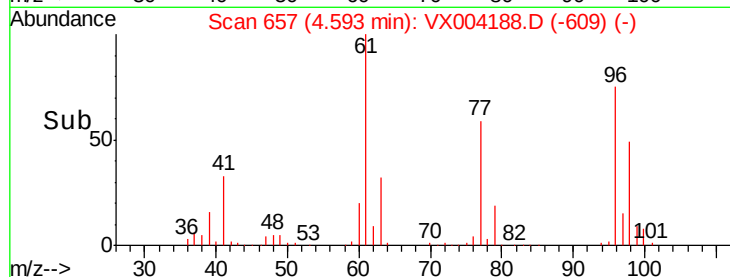
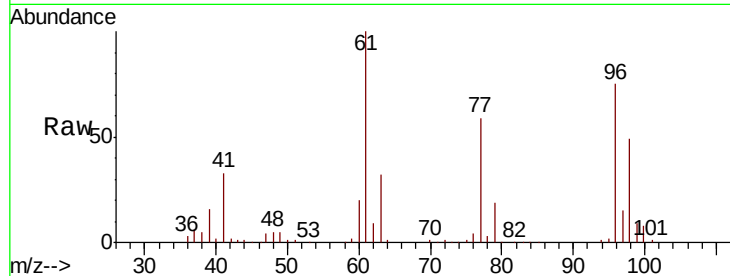
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	193576
Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	293.0
98	64.2	0.0	131.8

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#28

Bromochloromethane

Concen: 51.97 ug/l

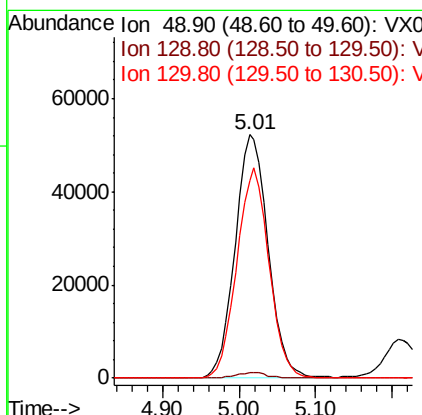
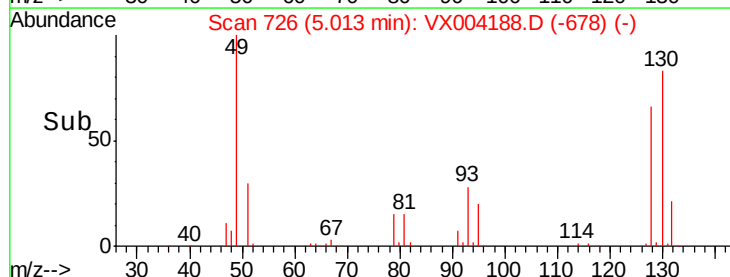
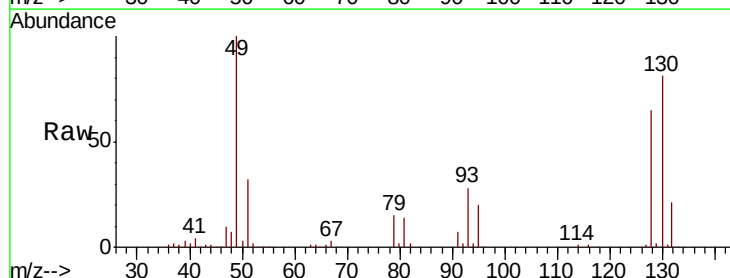
RT: 5.01 min Scan# 726

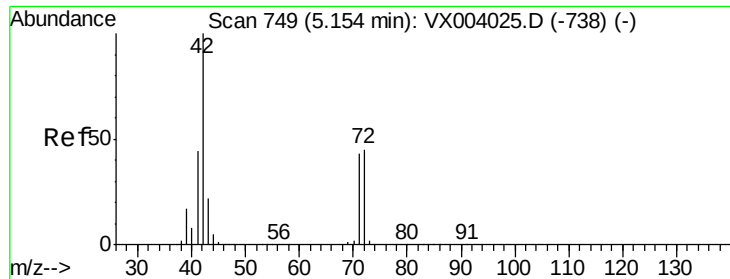
Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	49	Resp:	156233
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.4	66.5	99.7





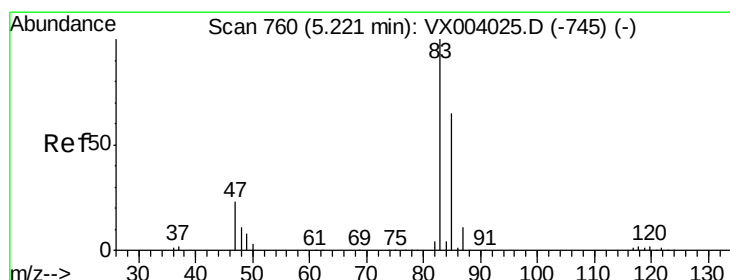
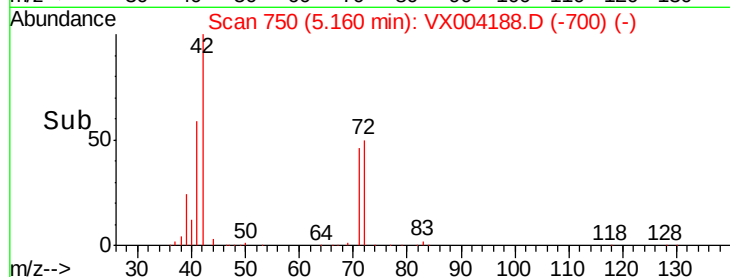
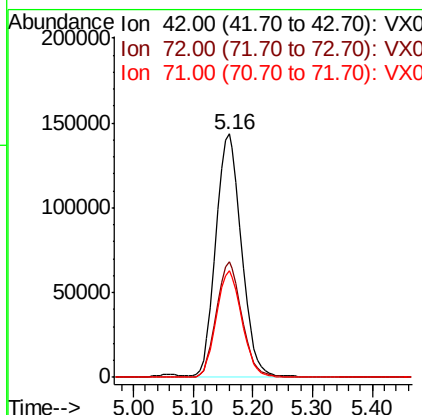
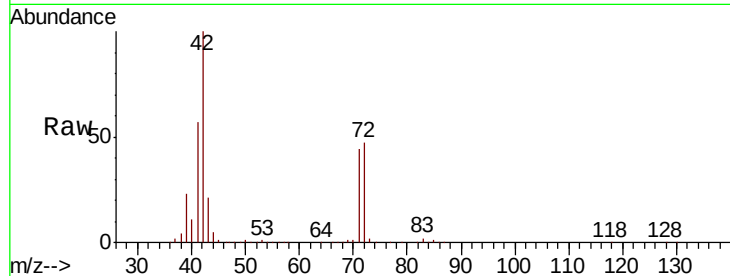
#29
Tetrahydrofuran
Concen: 238.77 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.7	56.5
71	43.8	35.0	52.6

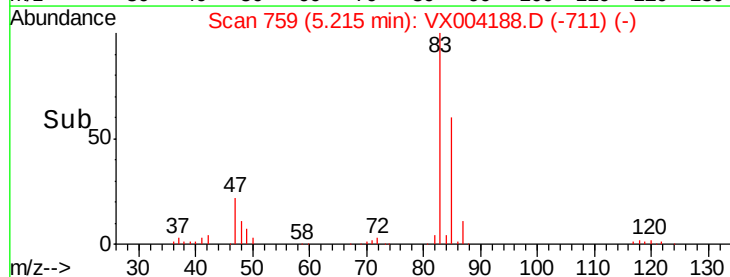
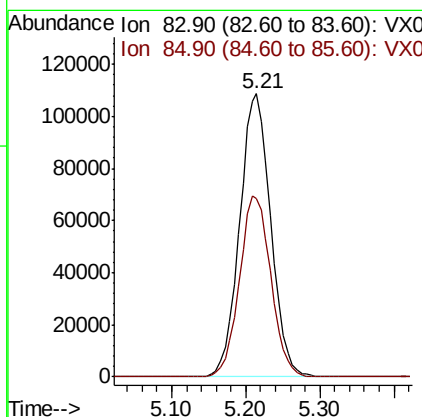
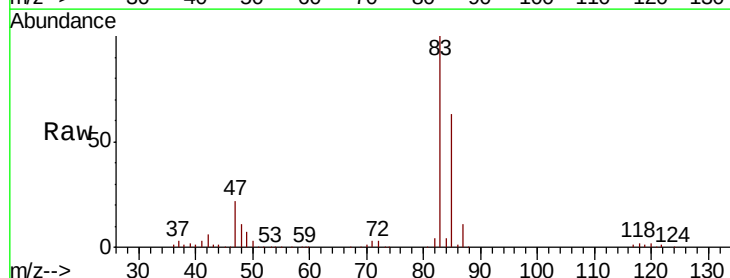
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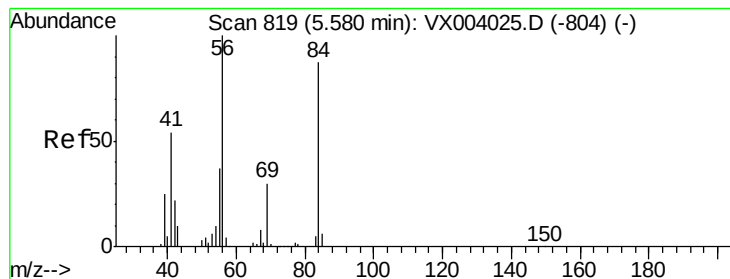
MMDadoda
8/22/2018 11:16:59 AM



#30
Chloroform
Concen: 49.63 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.7	76.1





#31

Cyclohexane

Concen: 45.64 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 262194

Ion Ratio Lower Upper

56 100

69 29.8 24.9 37.3

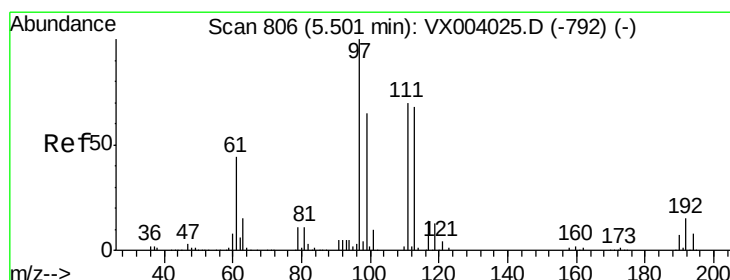
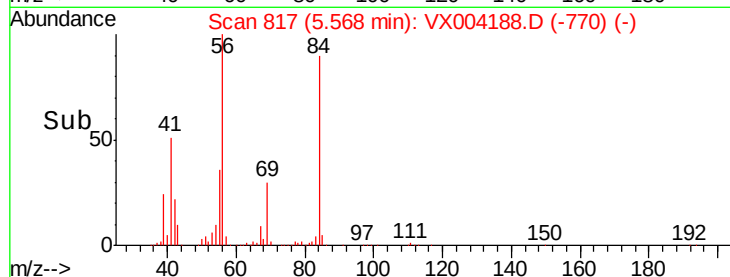
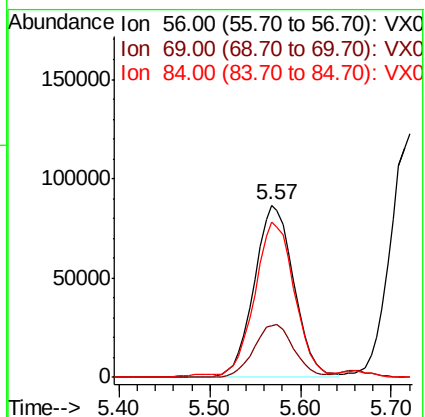
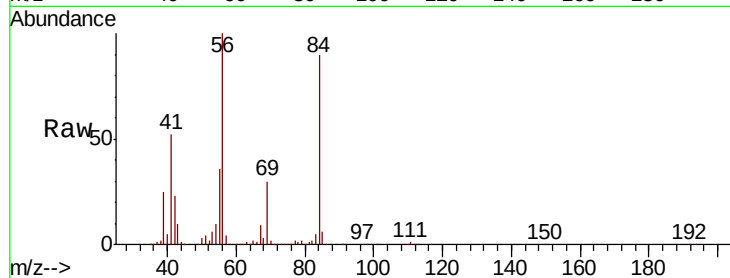
84 88.9 71.7 107.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.01 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

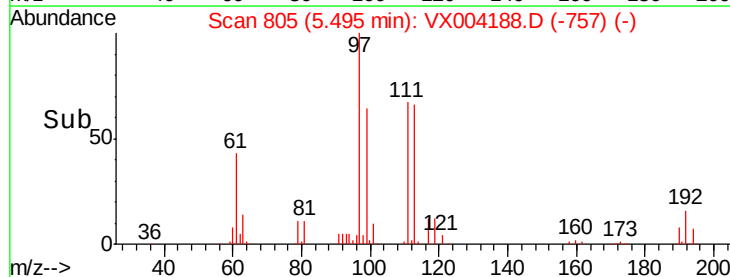
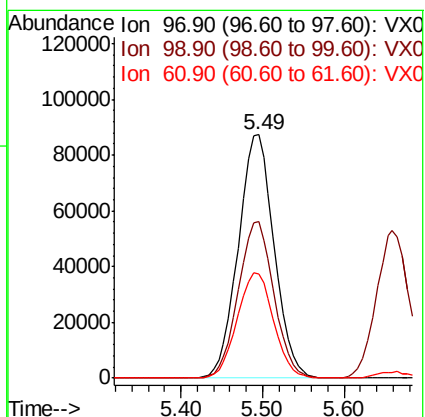
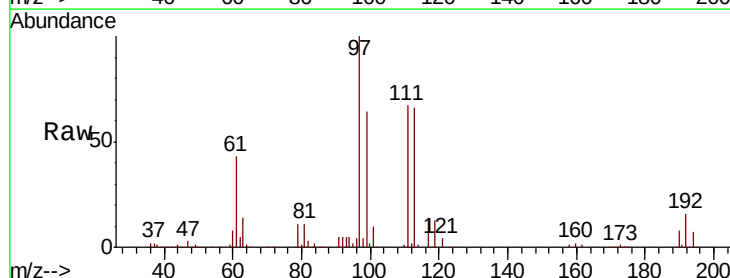
Tgt Ion: 97 Resp: 267248

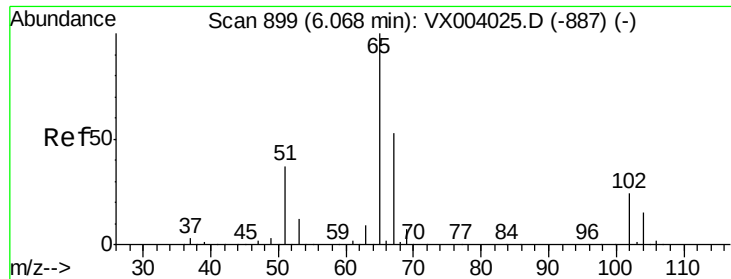
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.8

61 43.9 34.4 51.6





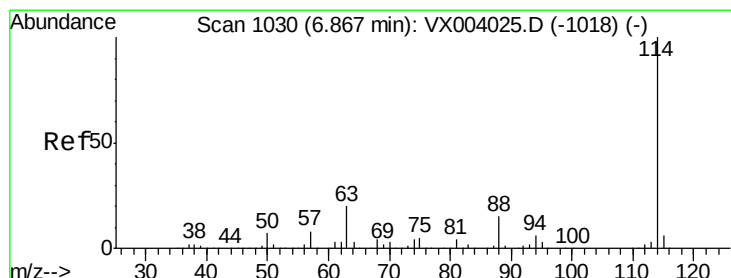
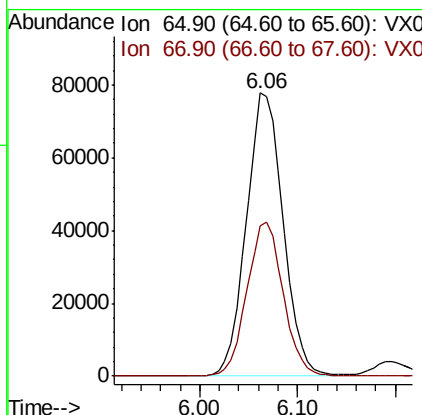
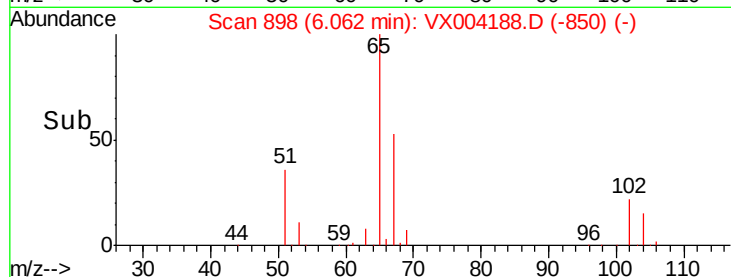
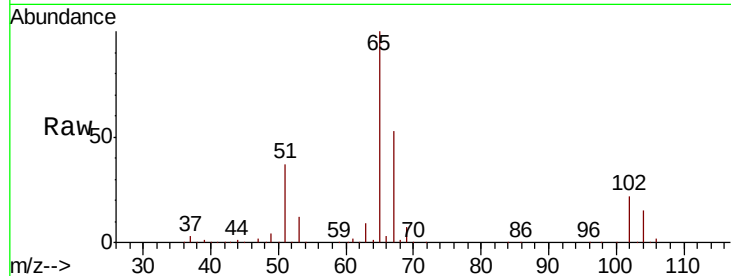
#33
 1,2-Dichloroethane-d4
 Concen: 49.04 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203810		
67	53.6	0.0	105.8	

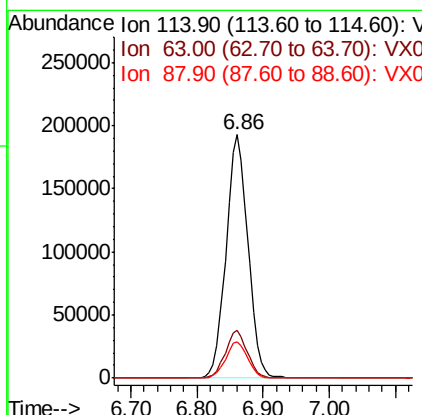
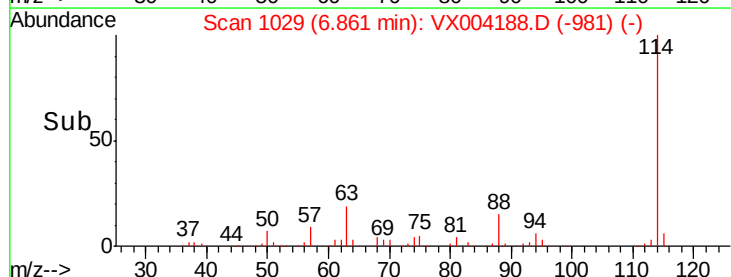
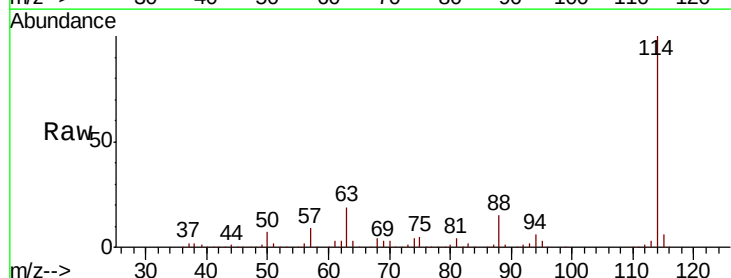
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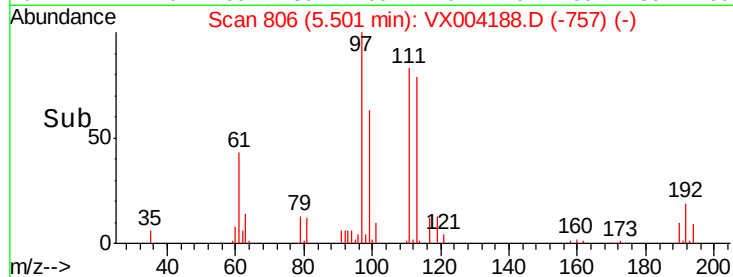
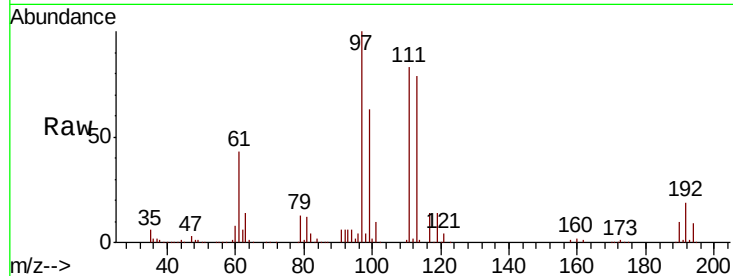
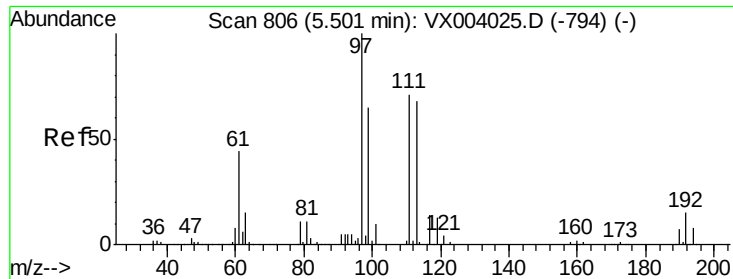
MMDadoda
 8/22/2018 11:16:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	441959		
63	19.4	0.0	39.0	
88	15.1	0.0	32.0	





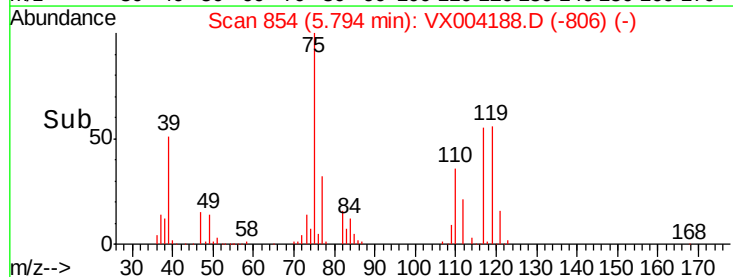
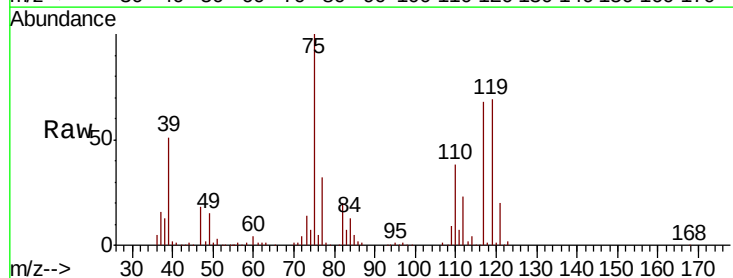
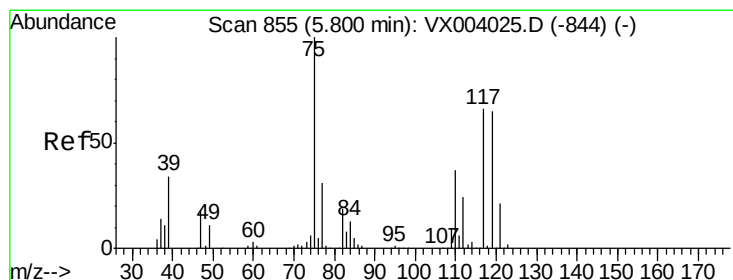
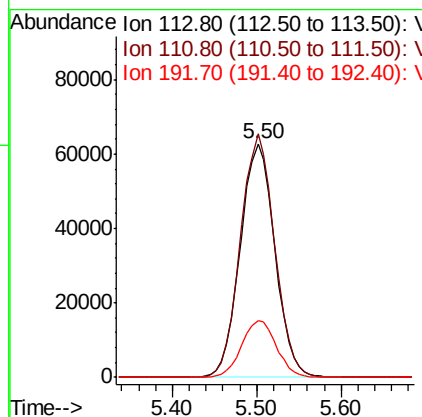
#35
Dibromofluoromethane
Concen: 52.75 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174466		
111	103.1	82.0	123.0	
192	24.4	19.0	28.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

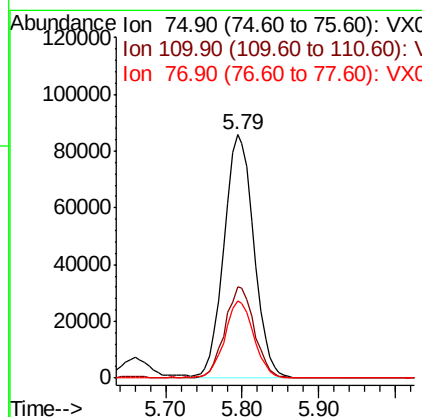
Manual Integrations
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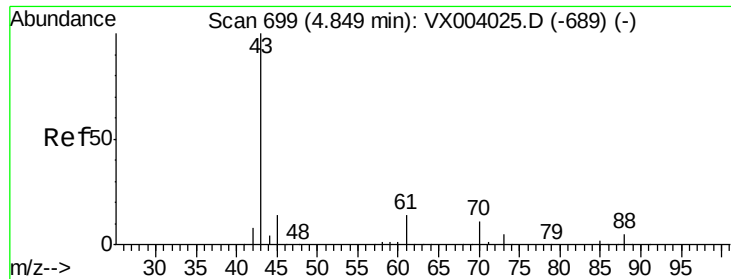
MMDadoda
8/22/2018 11:16:59 AM



#36
1,1-Dichloropropene
Concen: 46.06 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	231651		
110	37.0	18.2	54.6	
77	31.4	25.0	37.4	





#37

Ethyl Acetate

Concen: 45.22 ug/l

RT: 4.86 min Scan# 701

Delta R.T. 0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

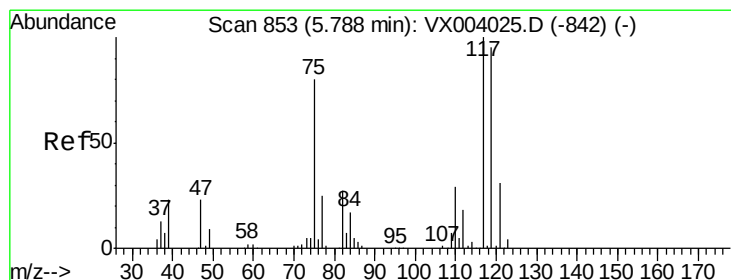
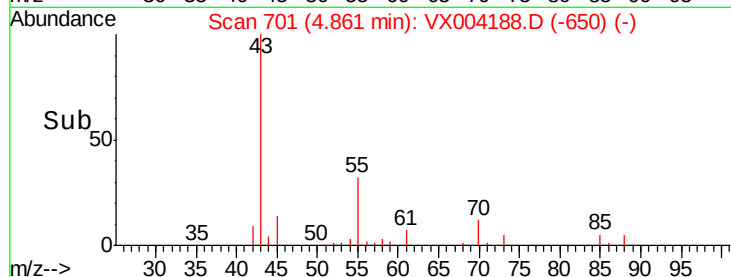
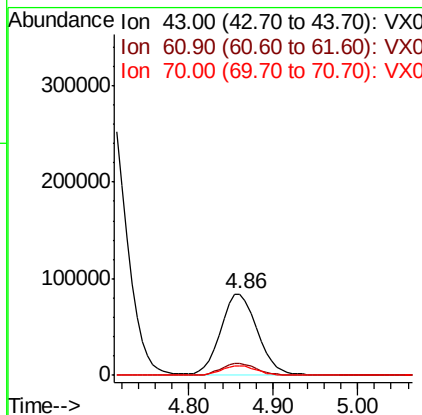
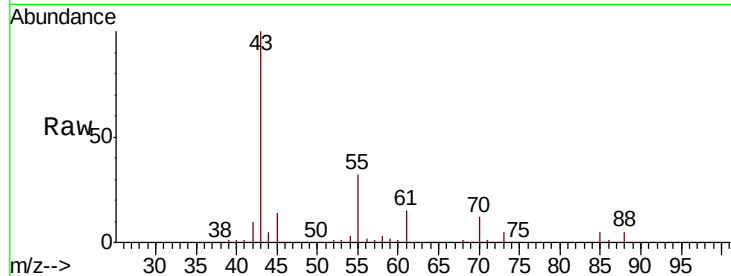
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	247645
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.5	9.0	13.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.99 ug/l

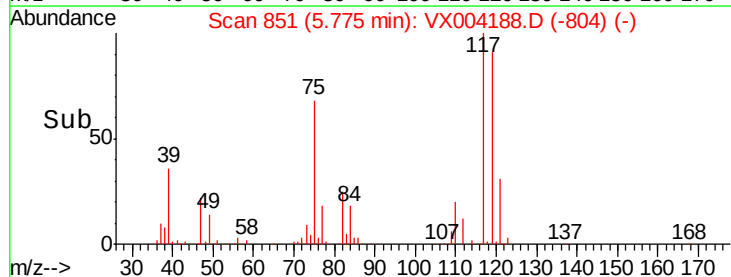
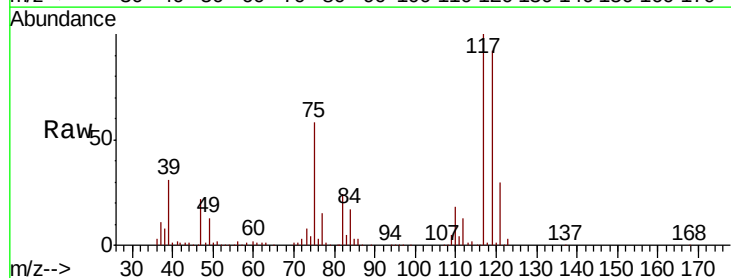
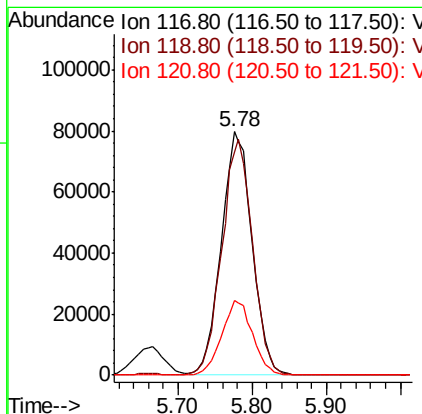
RT: 5.78 min Scan# 851

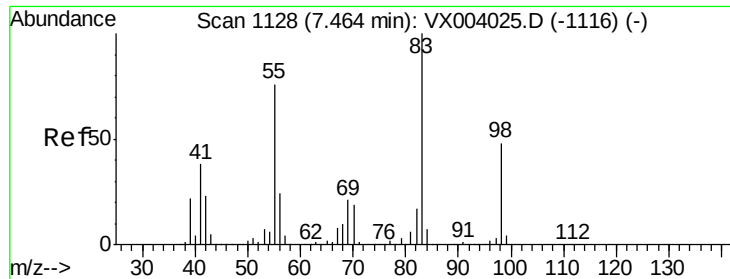
Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	117	Resp:	229585
Ion	Ratio	Lower	Upper
117	100		
119	91.5	79.5	119.3
121	30.5	25.0	37.4





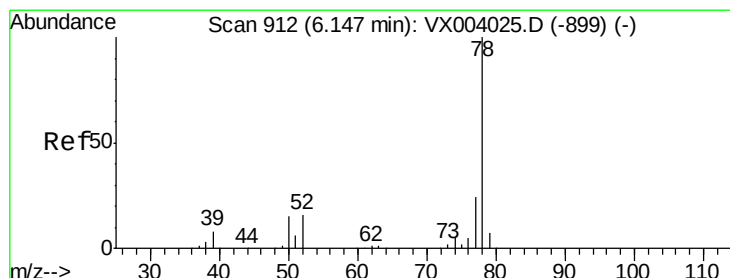
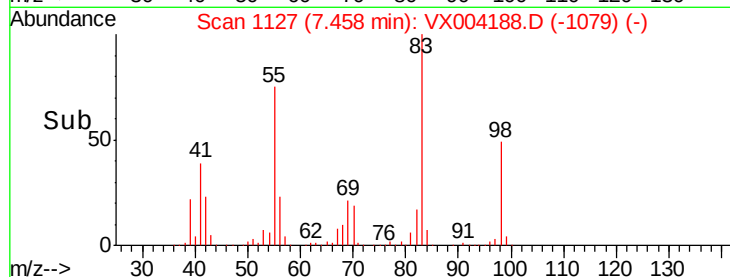
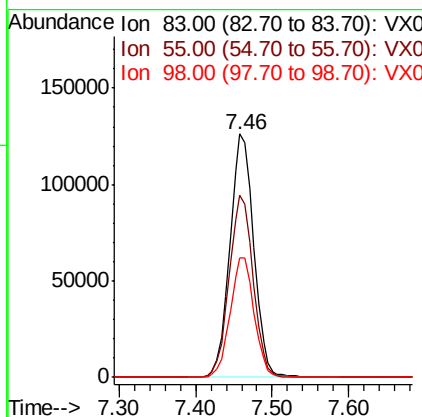
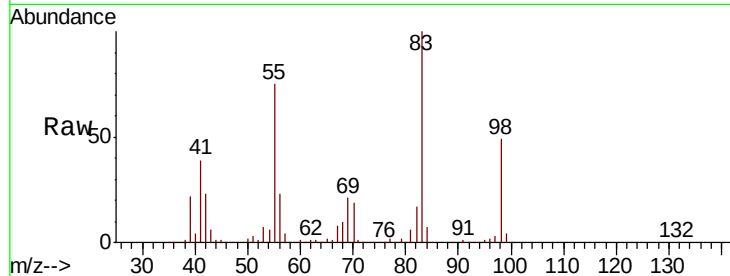
#39
Methylvlcyclohexane
Concen: 47.61 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.0	91.6
98	49.2	38.6	57.8

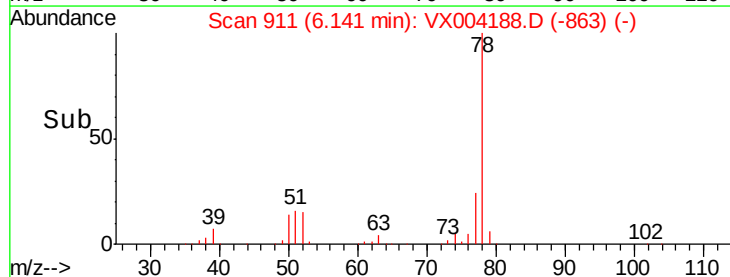
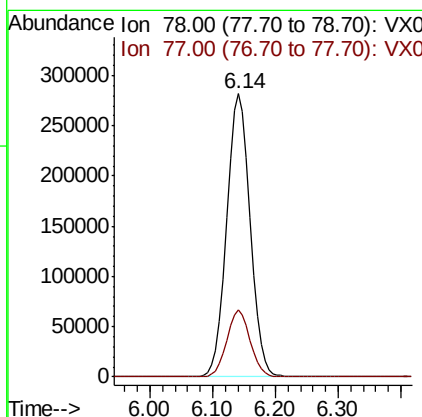
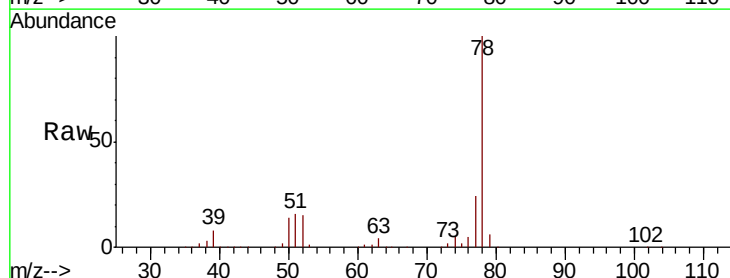
Manual Integrations
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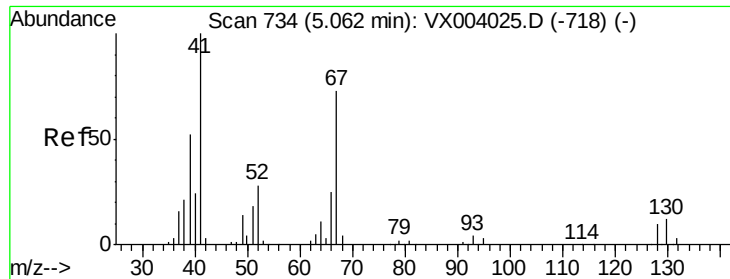
MMDadoda
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#40
Benzene
Concen: 48.29 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





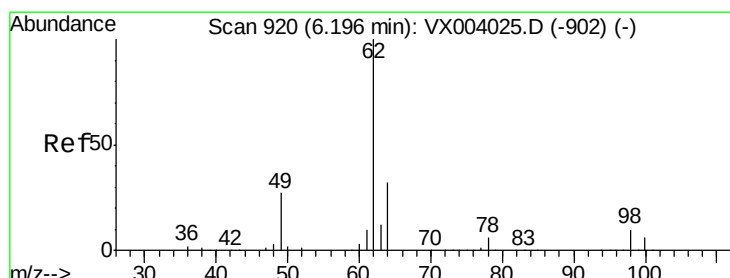
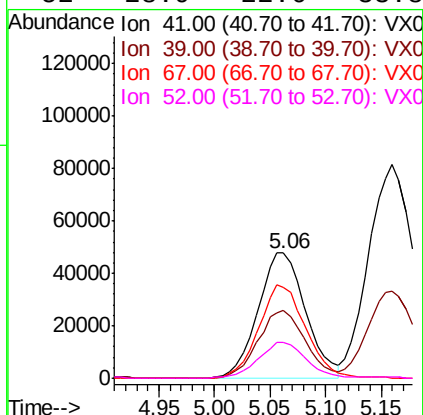
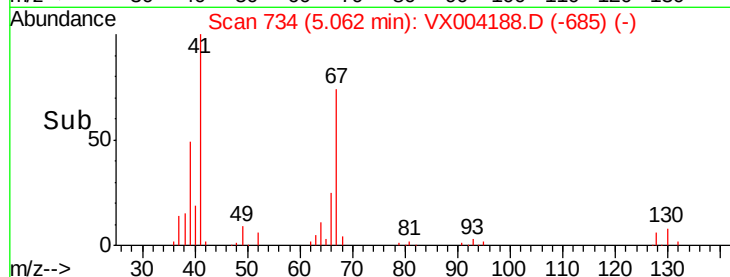
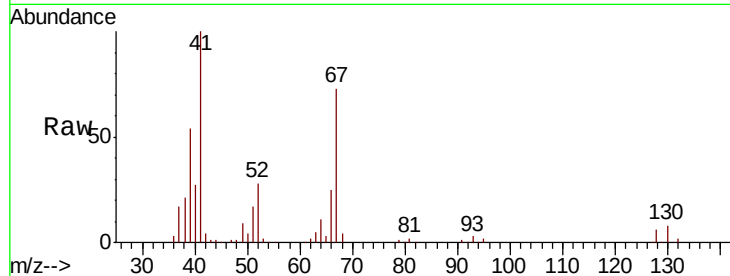
#41
Methacrylonitrile
Concen: 46.30 ug/l
RT: 5.06 min Scan# 734
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.7	64.1	
67	74.3	58.9	88.3	
52	28.9	22.6	33.8	

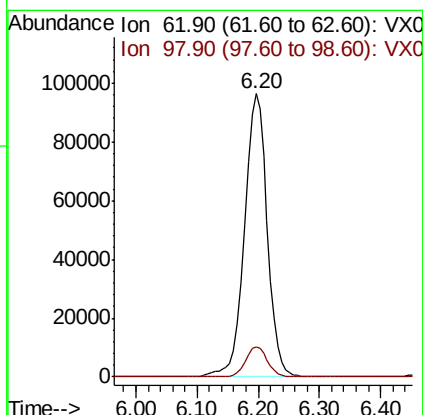
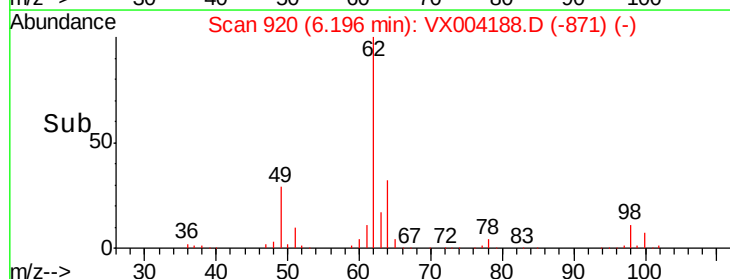
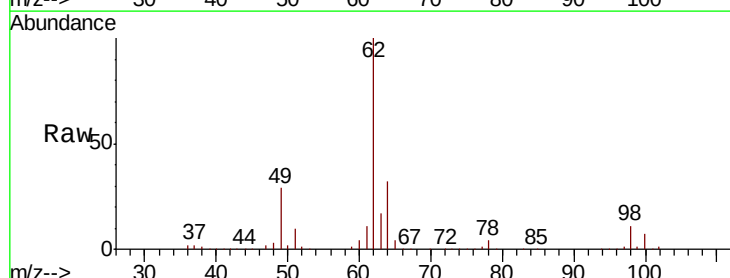
Manual Integrations
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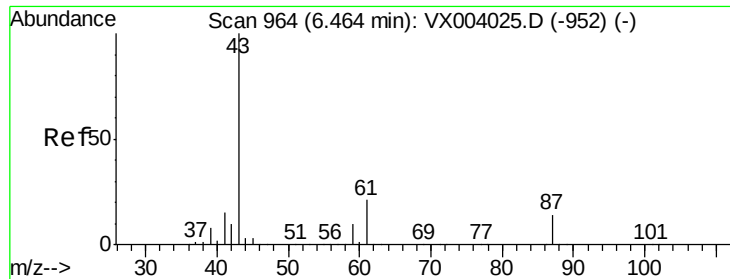
MMDadoda
8/22/2018 11:16:59 AM



#42
1,2-Dichloroethane
Concen: 47.20 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

Isopropyl Acetate

Concen: 47.63 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

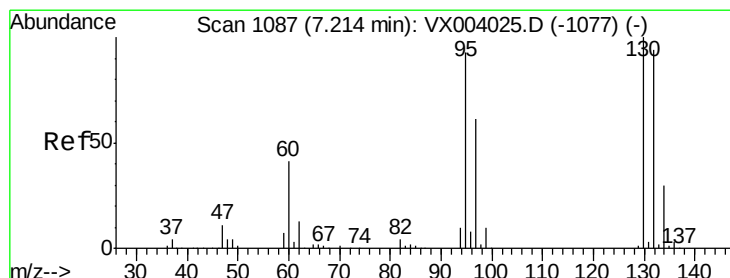
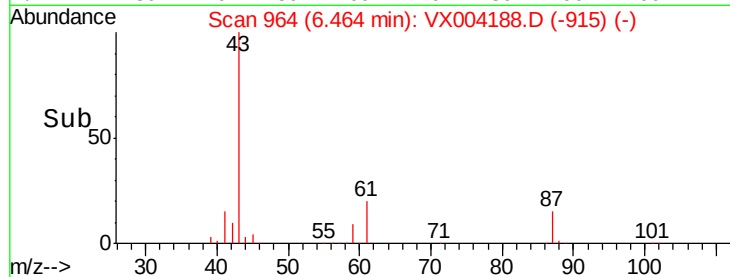
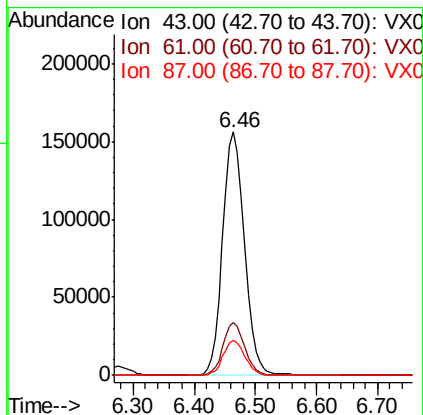
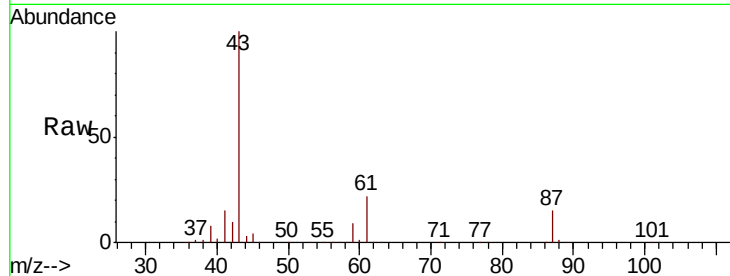
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	384521
Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.9	25.3
87	14.4	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 47.70 ug/l

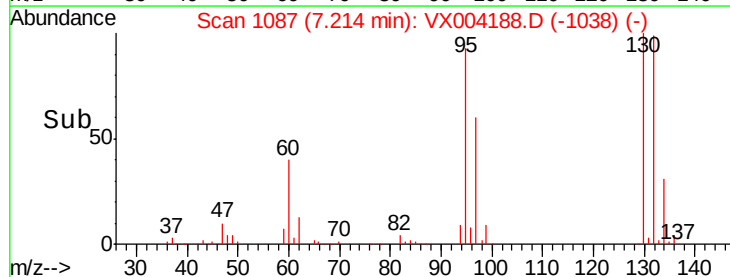
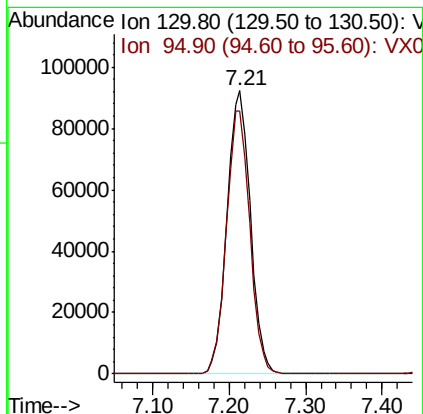
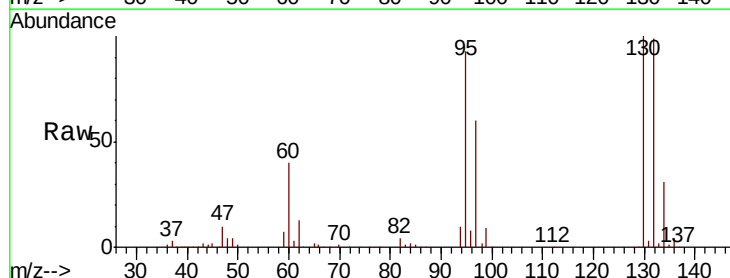
RT: 7.21 min Scan# 1087

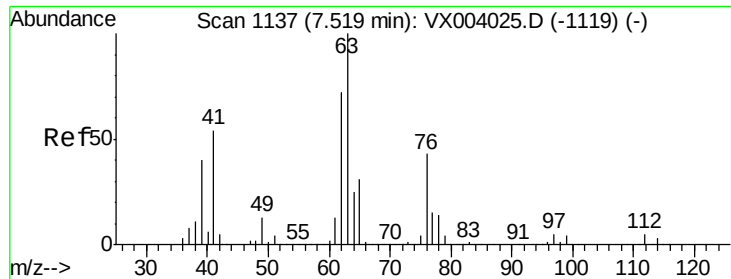
Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	130	Resp:	195571
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	199.4





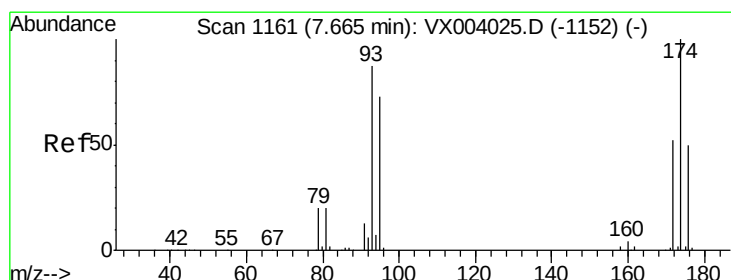
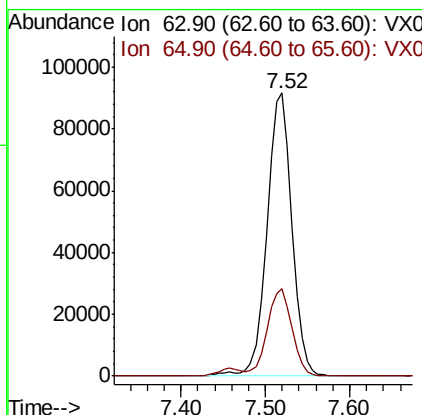
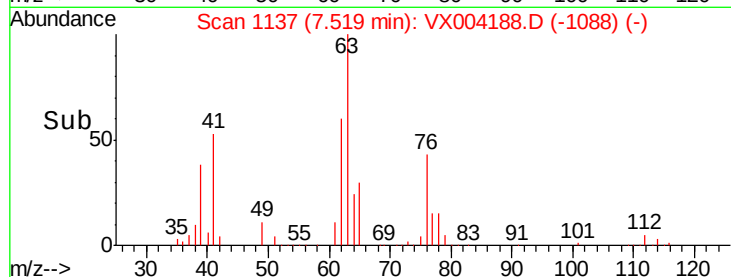
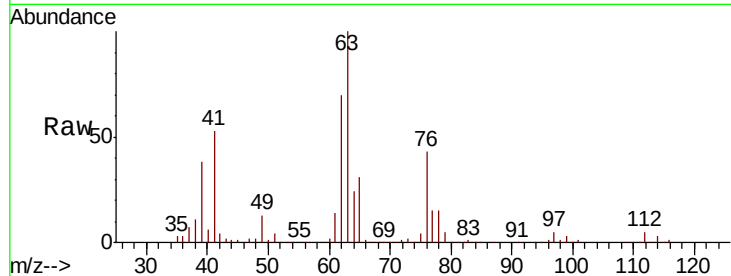
#45
 1,2-Dichloropropane
 Concen: 48.43 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	36.8

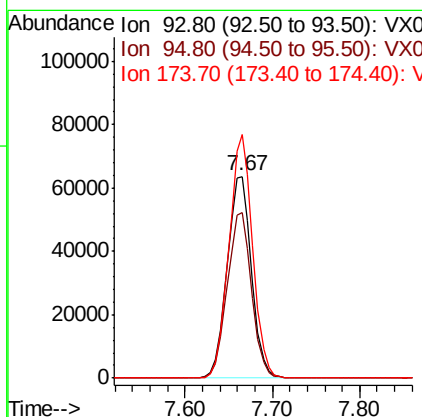
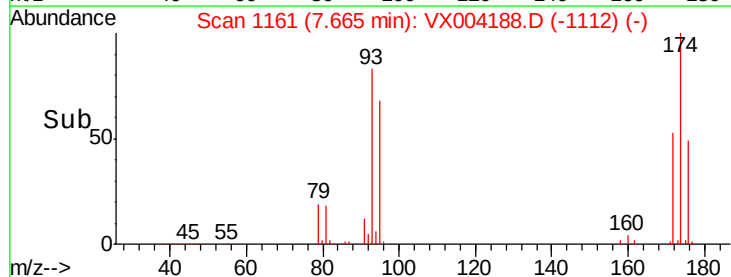
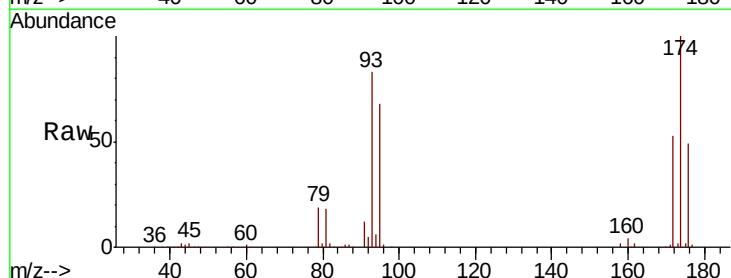
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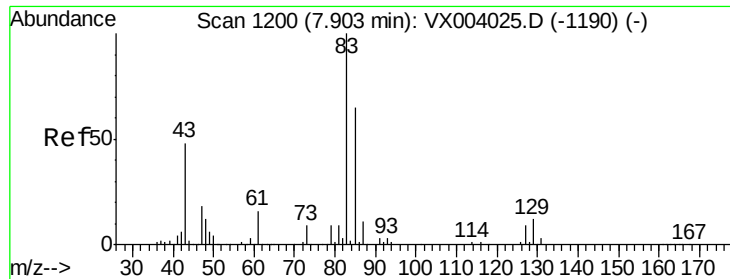
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#46
 Dibromomethane
 Concen: 48.51 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.4	99.6
174	117.7	94.3	141.5





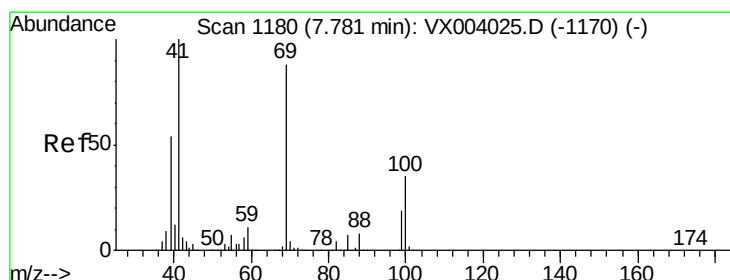
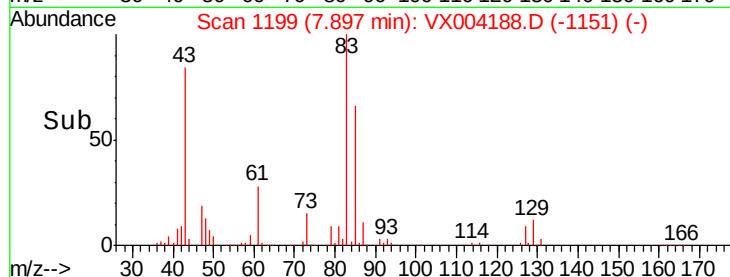
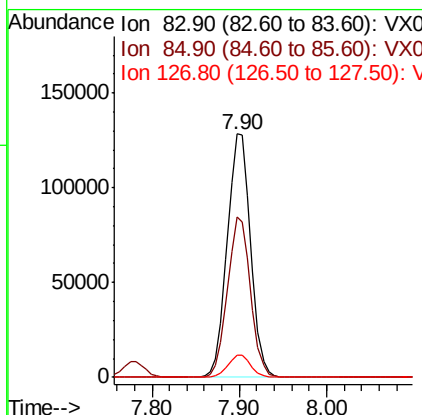
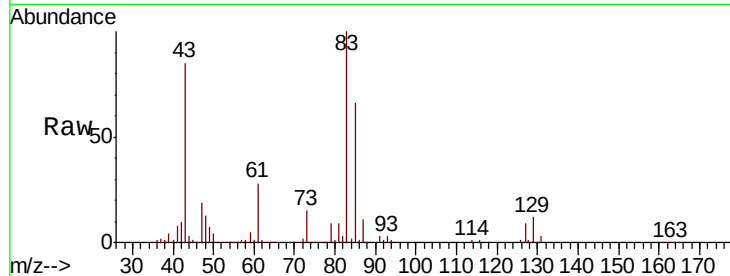
#47
Bromodichloromethane
Concen: 49.95 ug/l
RT: 7.90 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	239019		
85	66.1		51.2	76.8
127	9.0		7.2	10.8

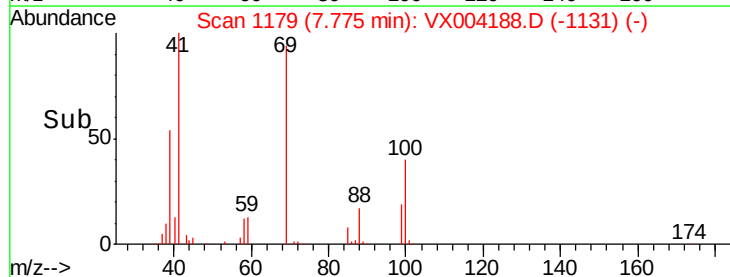
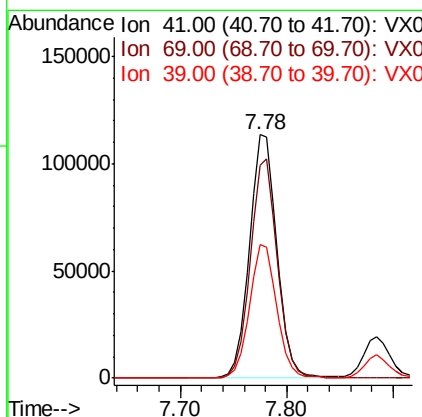
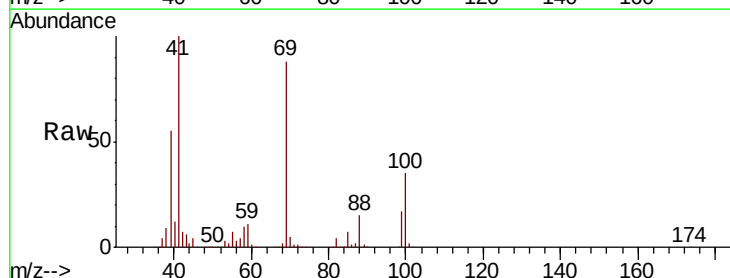
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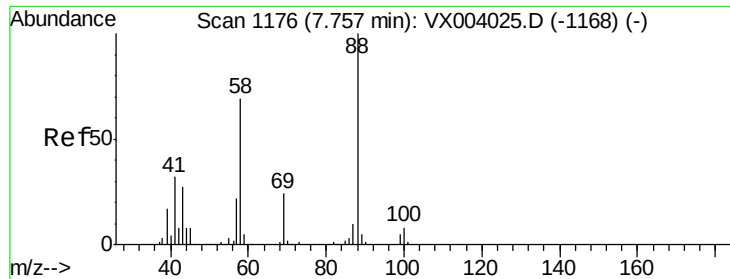
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#48
Methyl methacrylate
Concen: 50.53 ug/l
RT: 7.78 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	205321		
69	88.8		68.8	103.2
39	54.4		42.3	63.5





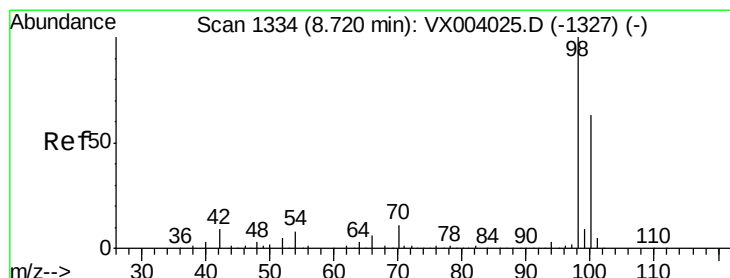
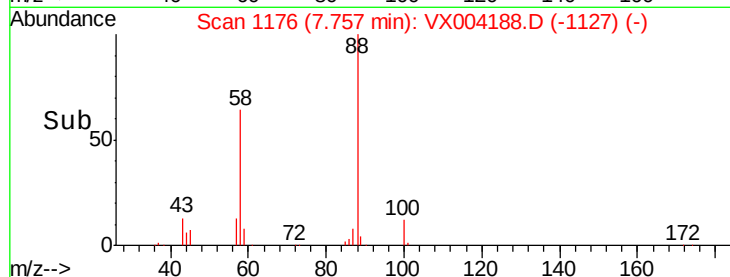
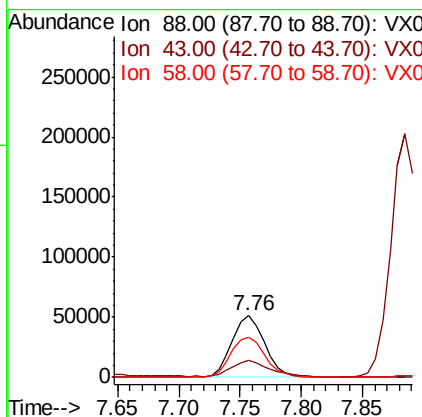
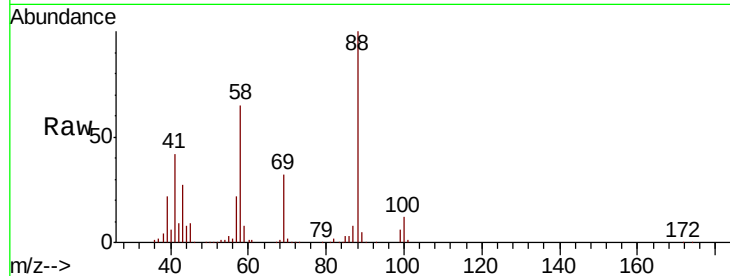
#49
1,4-Dioxane
Concen: 1052.56 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	23.8	35.8
58	68.9	55.4	83.0

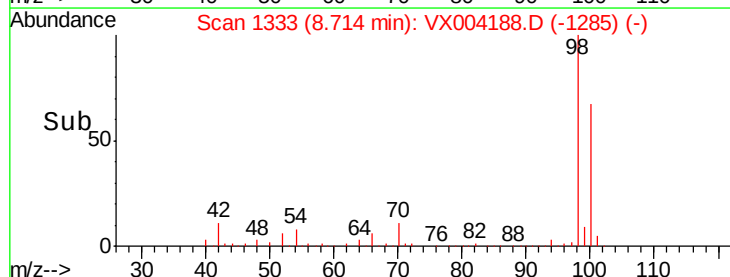
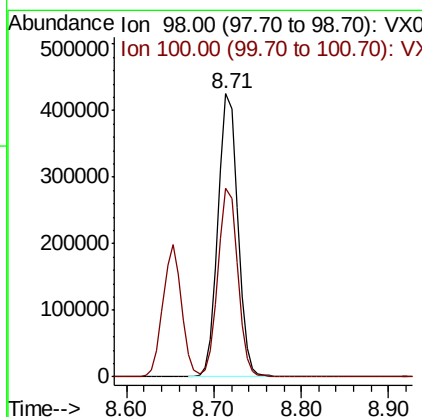
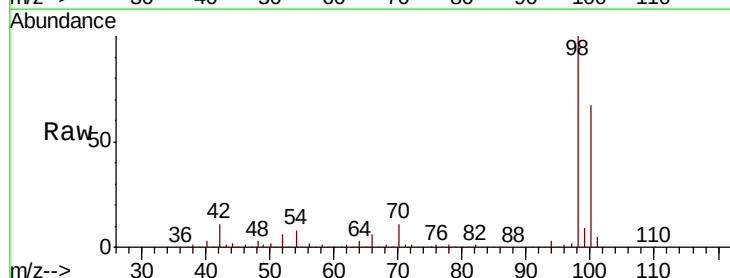
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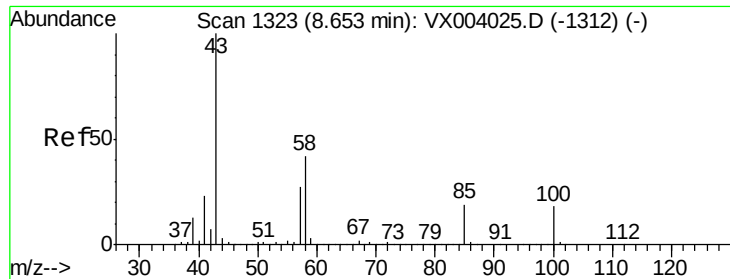
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#50
Toluene-d8
Concen: 49.62 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 254.67 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1685692

Ion Ratio Lower Upper

43 100

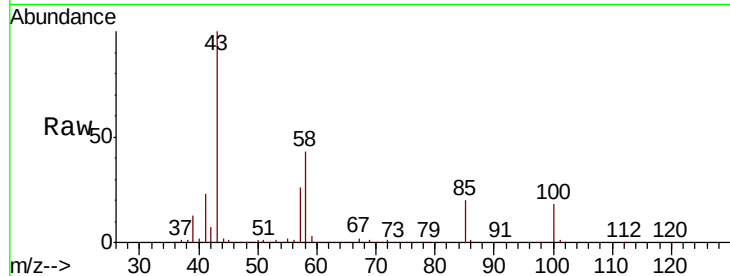
58 41.7 33.0 49.6

Manual Integrations

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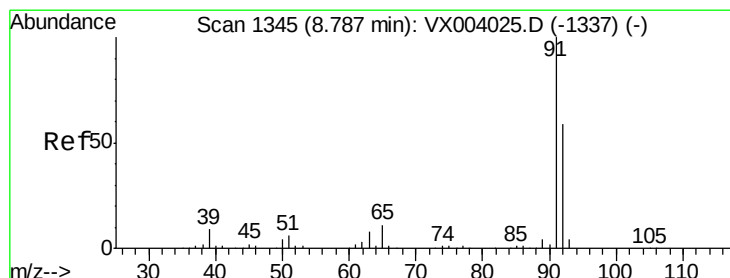
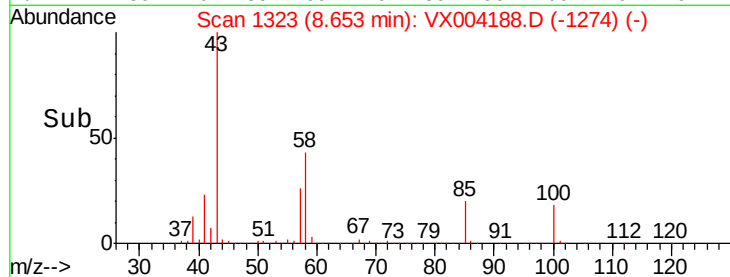
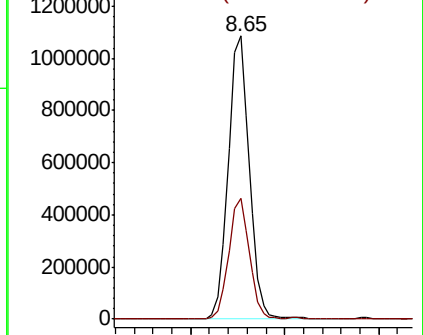
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.08 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004188.D

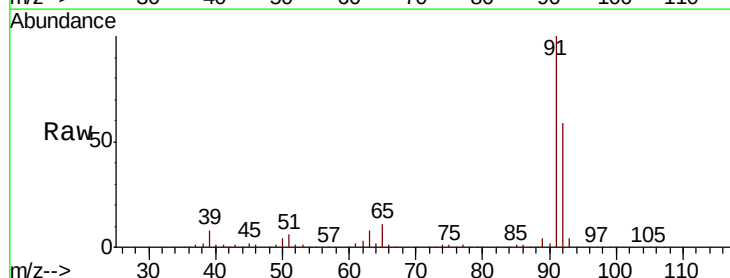
Acq: 21 Aug 2018 20:42

Tgt Ion: 92 Resp: 468777

Ion Ratio Lower Upper

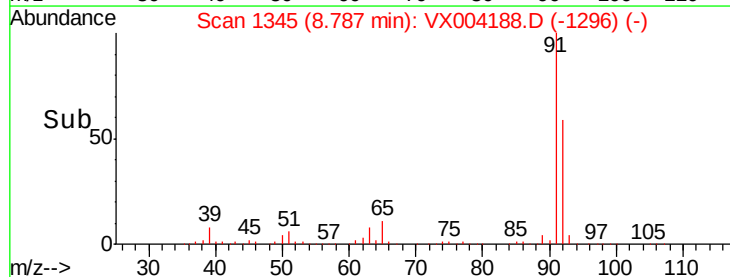
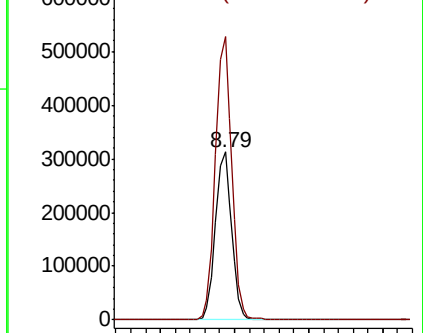
92 100

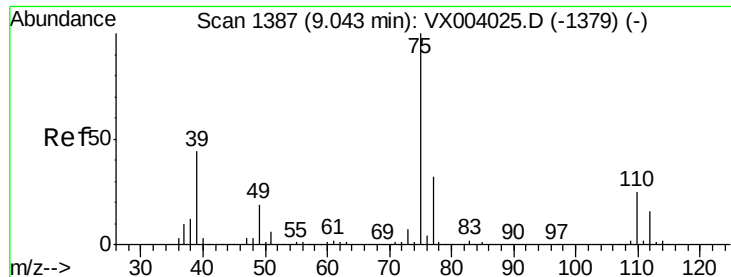
91 169.6 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





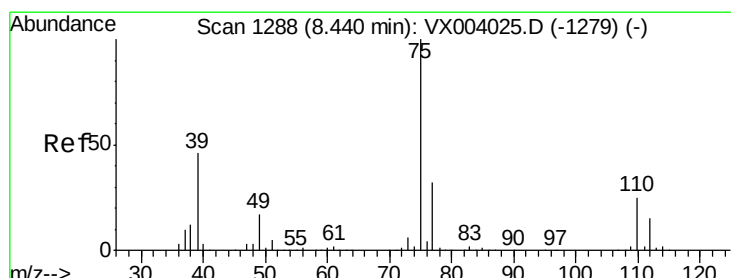
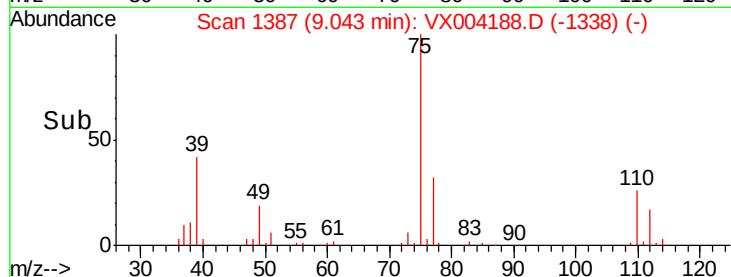
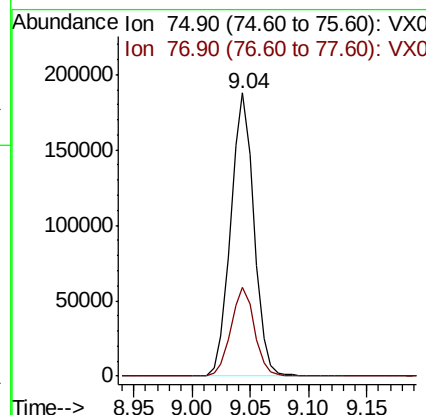
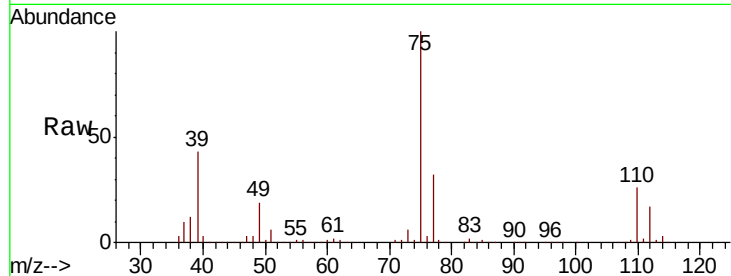
#53
t-1,3-Dichloropropene
Concen: 50.34 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 260215
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

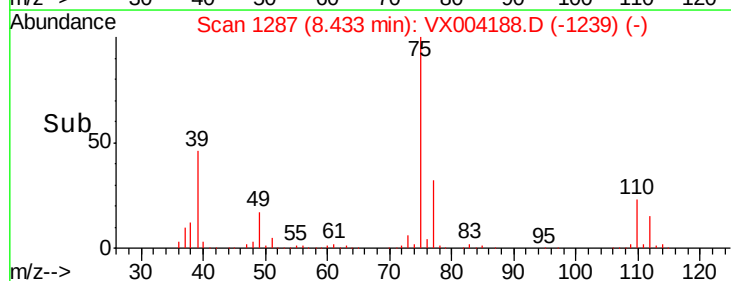
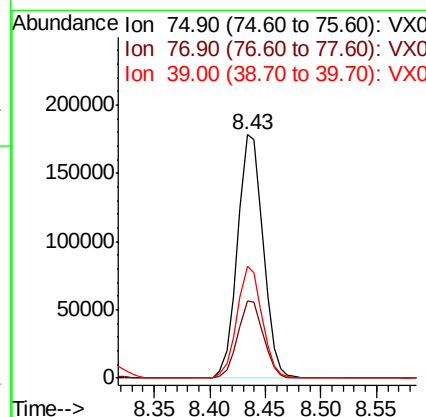
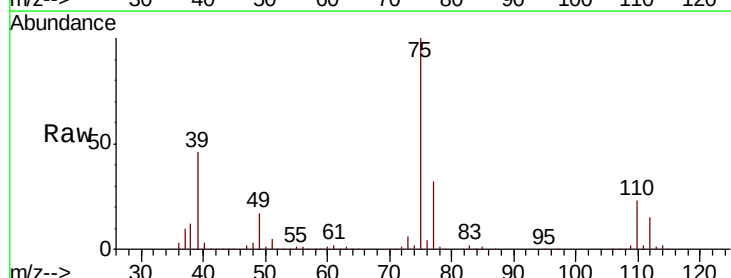
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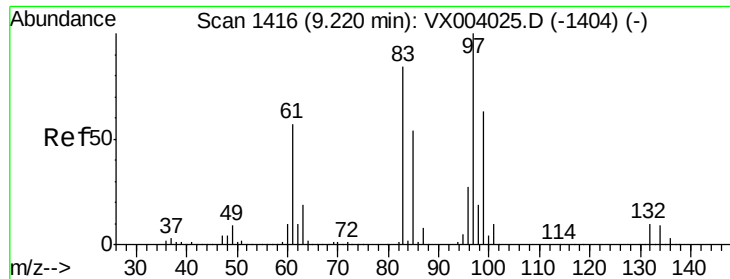
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#54
cis-1,3-Dichloropropene
Concen: 49.70 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 75 Resp: 284489
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 45.6 36.2 54.2





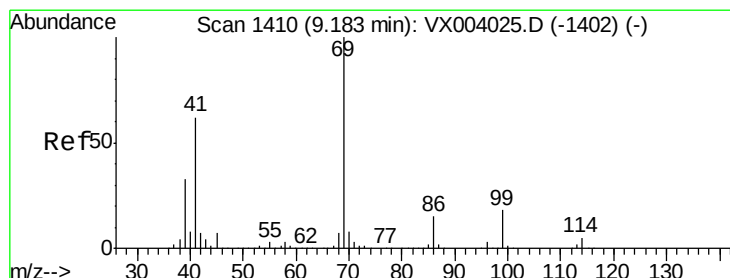
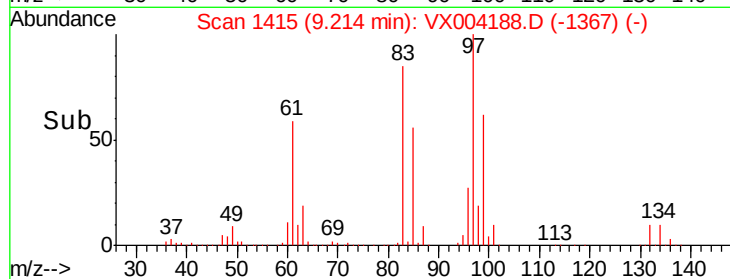
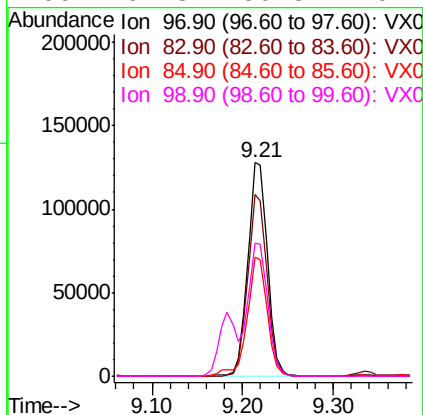
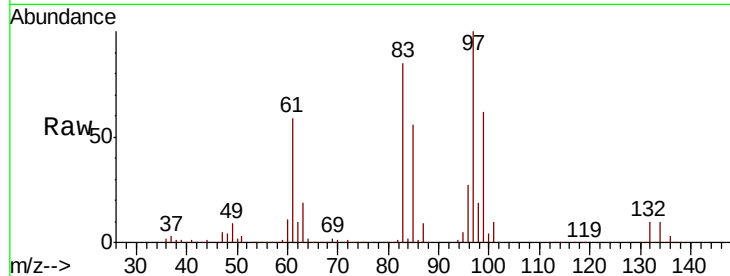
#55
 1,1,2-Trichloroethane
 Concen: 48.62 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	191739
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.8	101.6
85	55.5	44.2	66.2
99	62.3	50.8	76.2

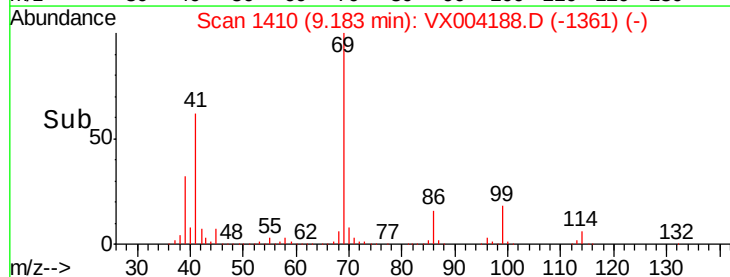
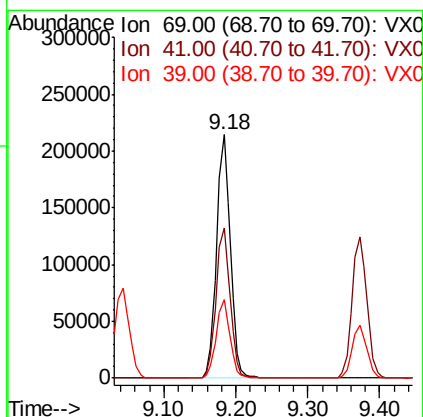
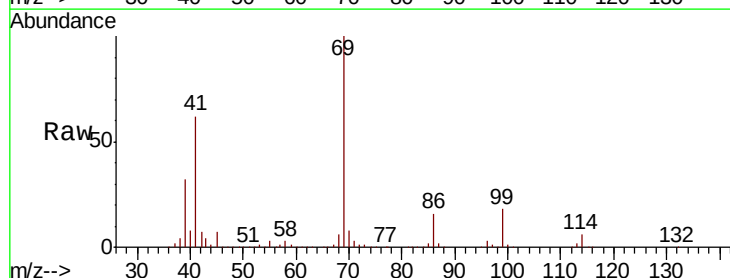
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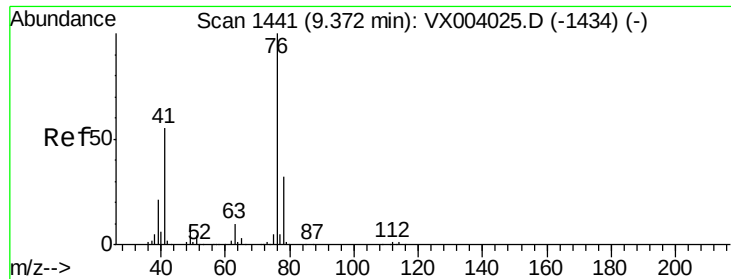
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#56
 Ethyl methacrylate
 Concen: 52.89 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion:	69	Resp:	283638
Ion	Ratio	Lower	Upper
69	100		
41	62.9	50.6	76.0
39	32.2	25.8	38.6





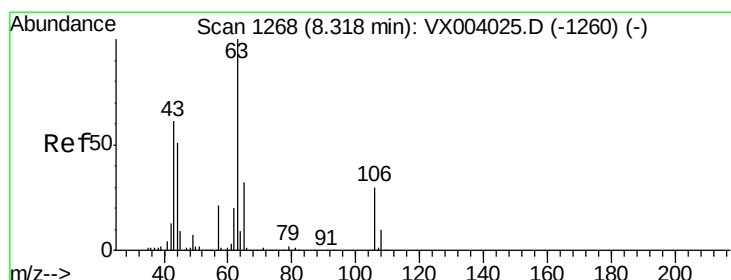
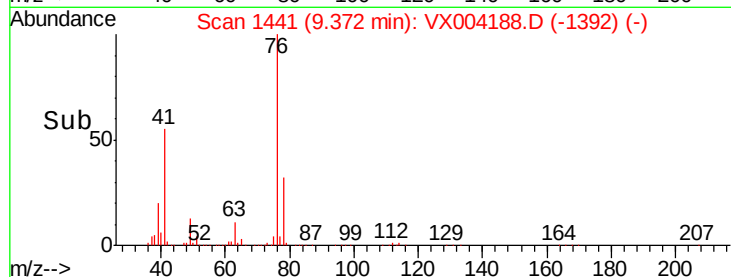
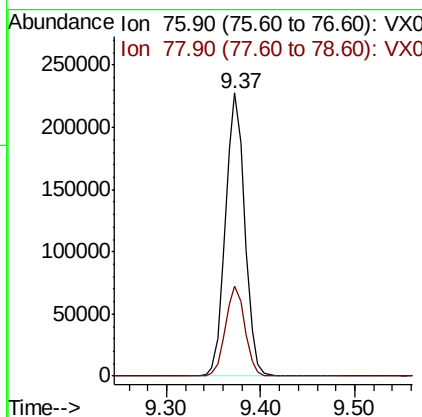
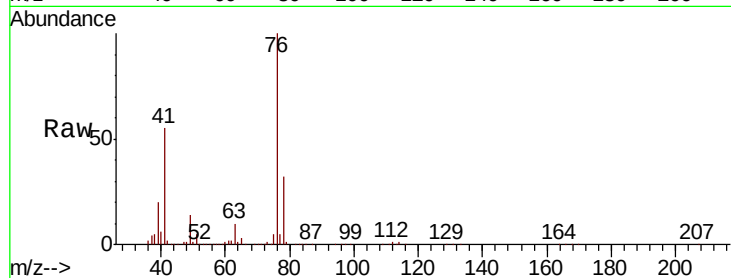
#57
 1,3-Dichloropropane
 Concen: 49.35 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

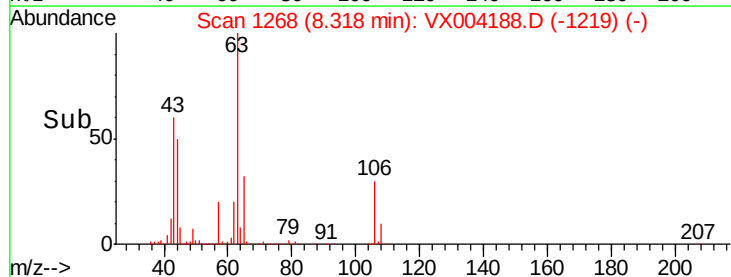
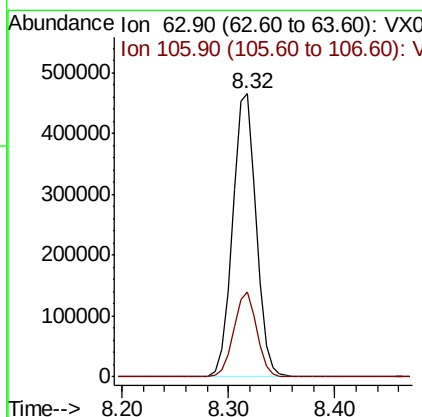
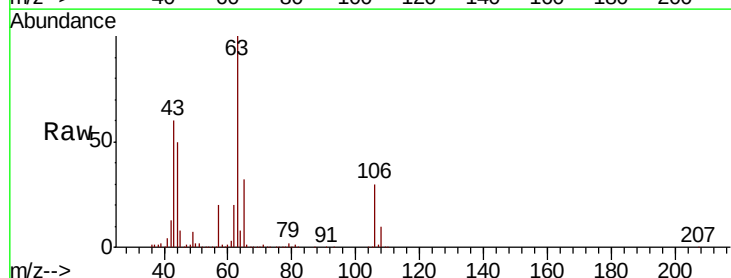
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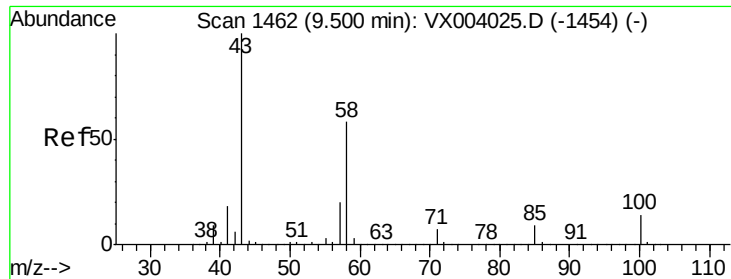
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#58
 2-Chloroethyl Vinyl ether
 Concen: 263.93 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.8	35.8





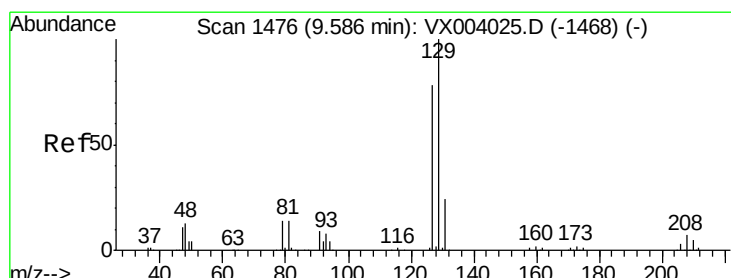
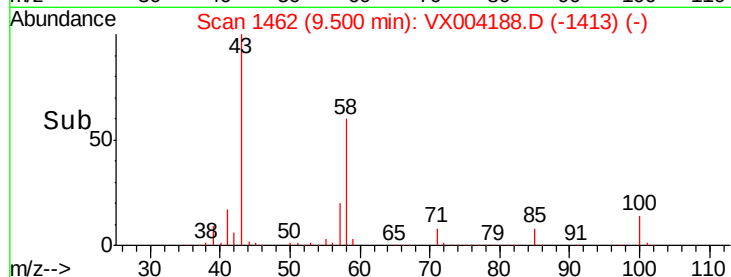
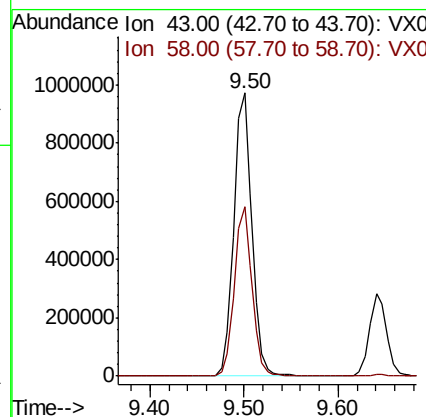
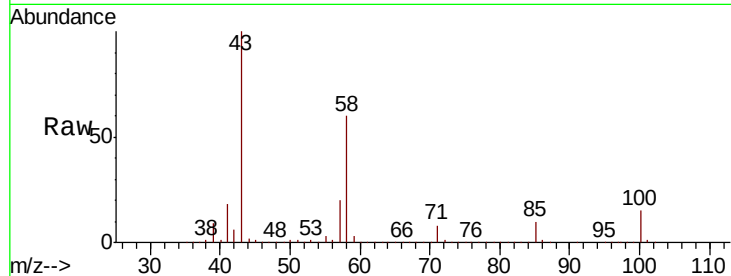
#59
2-Hexanone
Concen: 259.67 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1293582
Ion Ratio Lower Upper
43 100
58 58.5 29.0 87.0

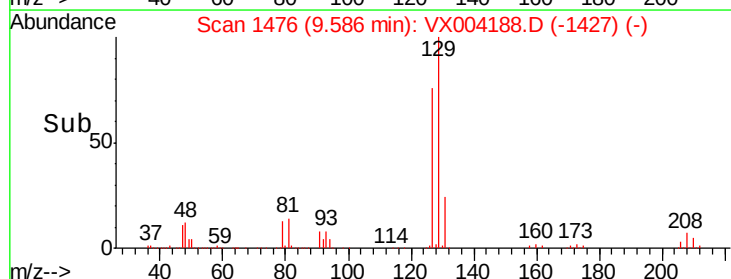
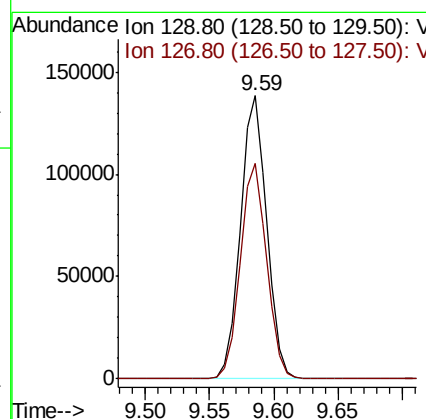
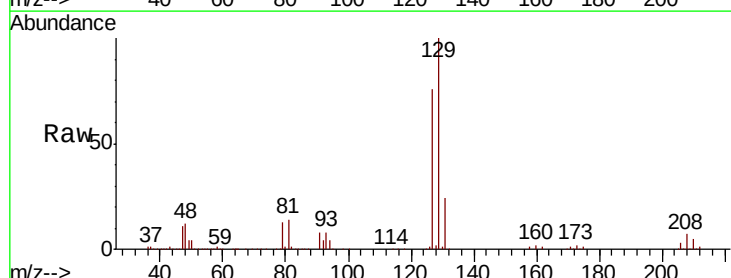
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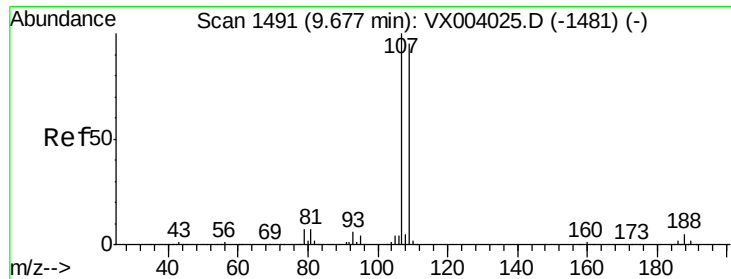
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#60
Dibromochloromethane
Concen: 51.51 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 129 Resp: 195507
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.3





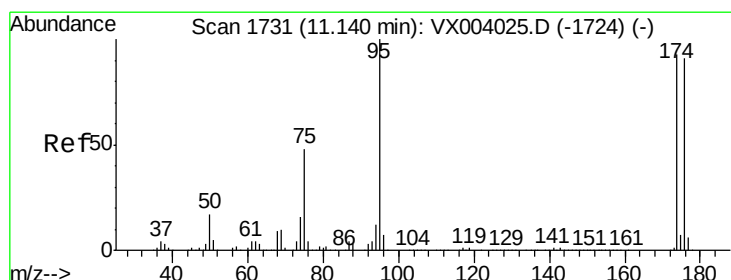
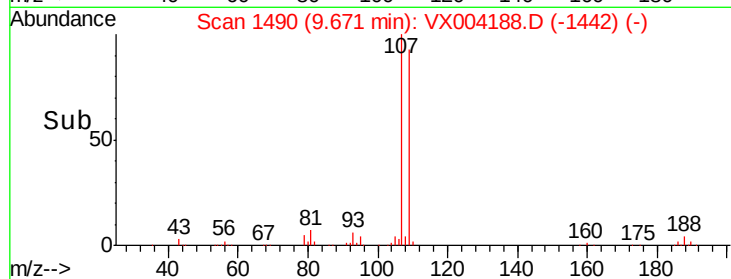
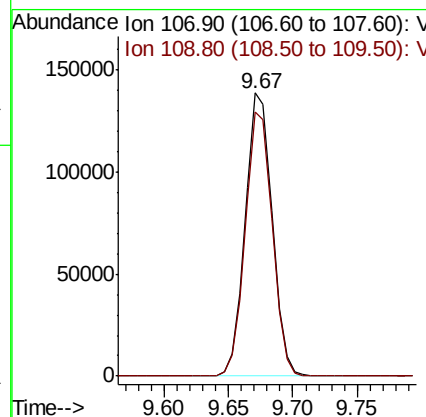
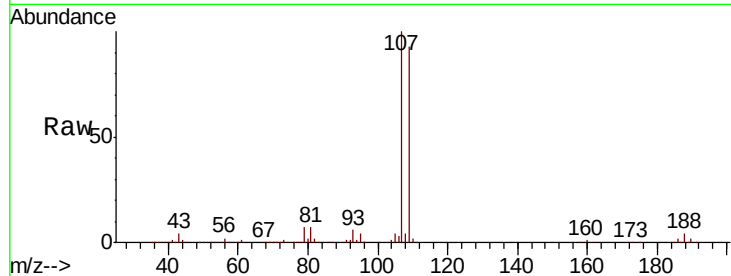
#61
 1,2-Dibromoethane
 Concen: 49.58 ug/l
 RT: 9.67 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	199356		
109	94.1	75.8	113.8	

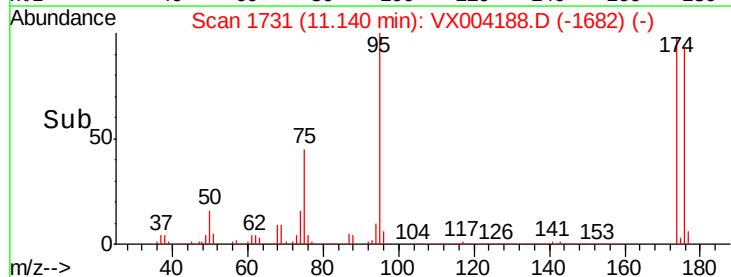
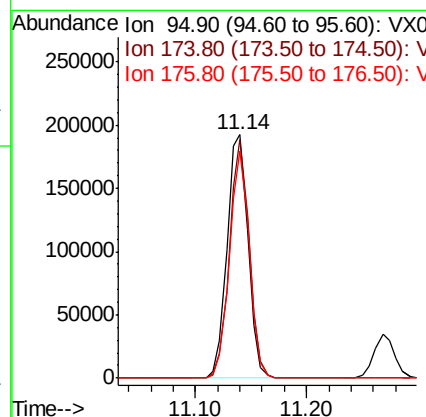
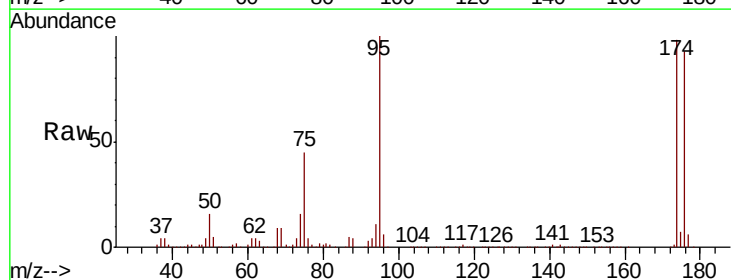
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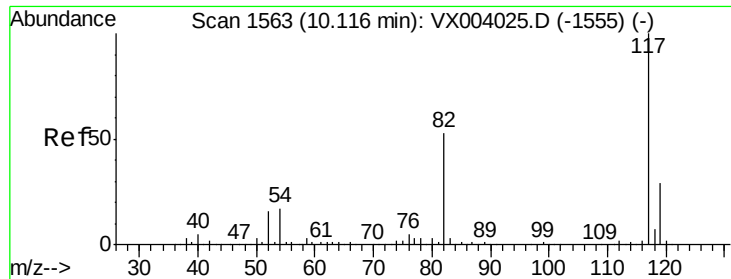
MMDadoda
 8/22/2018 11:16:59 AM



#62
 4-Bromofluorobenzene
 Concen: 51.59 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	250948		
174	92.0	0.0	182.8	
176	88.2	0.0	179.0	





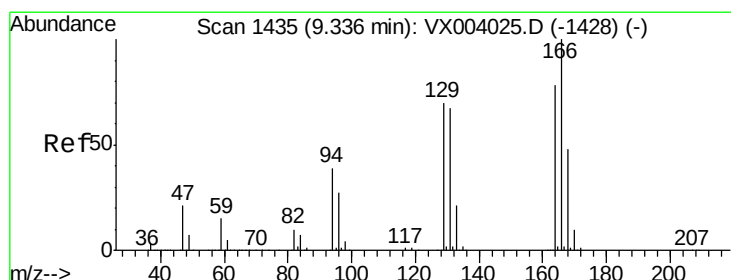
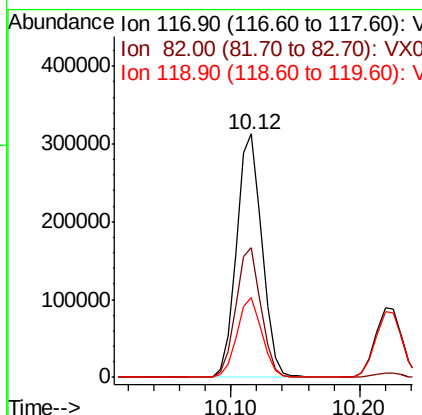
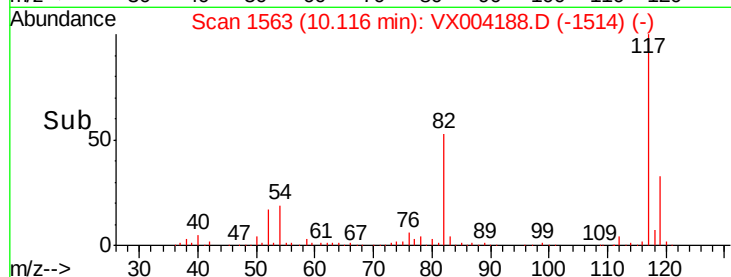
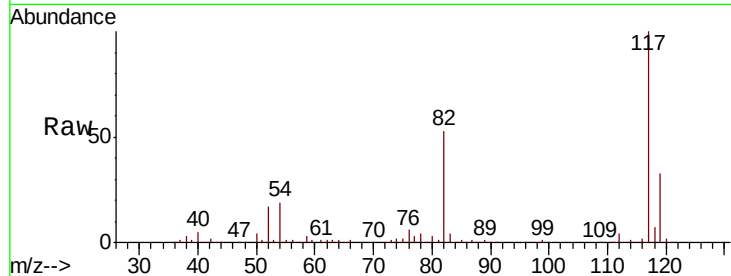
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.4	68.0
119	32.9	26.6	40.0

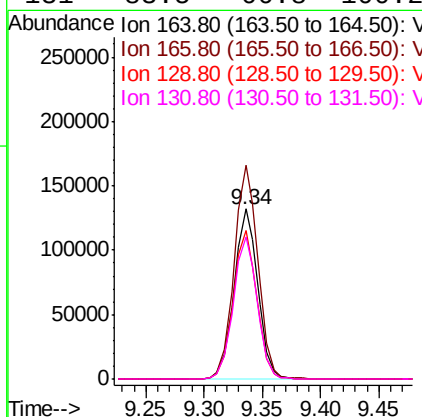
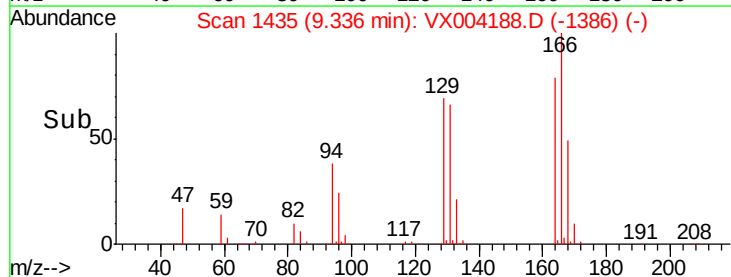
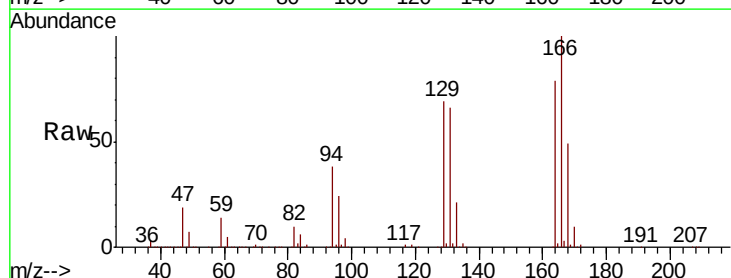
Manual Integrations
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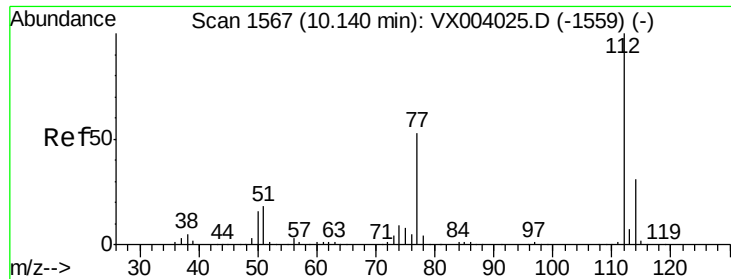
MMDadoda
8/22/2018 11:16:59 AM



#64
Tetrachloroethene
Concen: 46.06 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	98.0	147.0
129	87.3	64.3	96.5
131	83.5	66.8	100.2





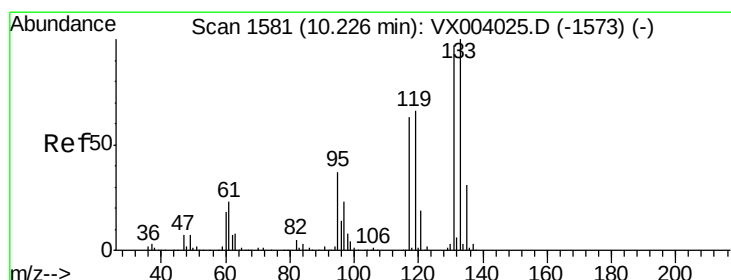
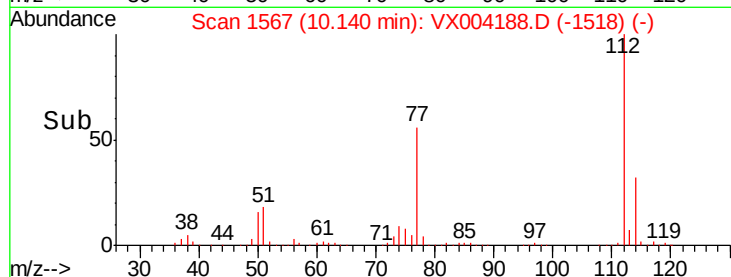
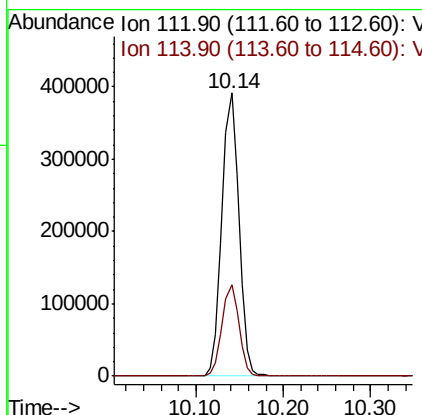
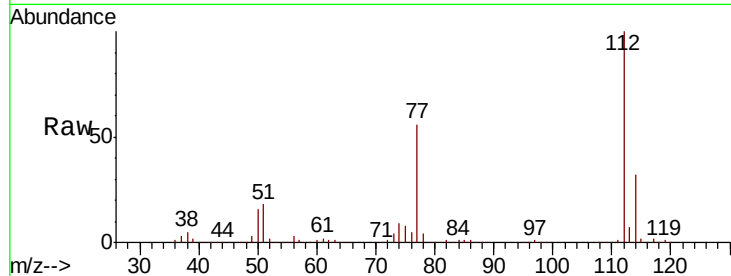
#65
Chlorobenzene
Concen: 47.64 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	23.6	35.4

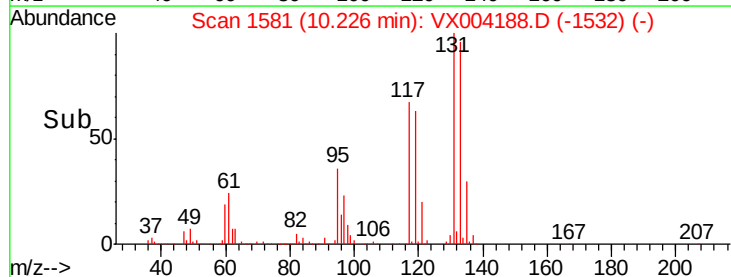
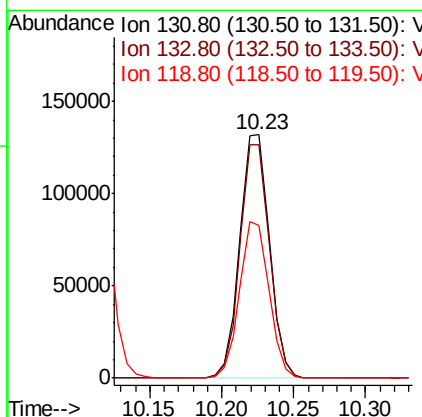
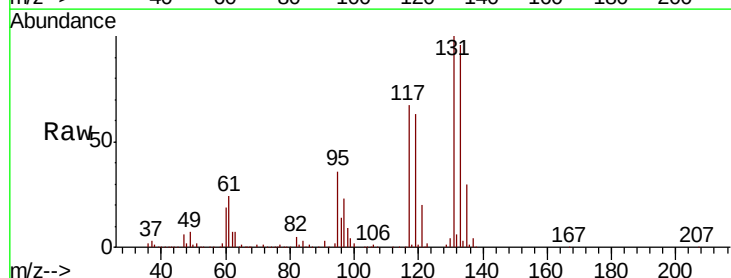
Manual Integrations
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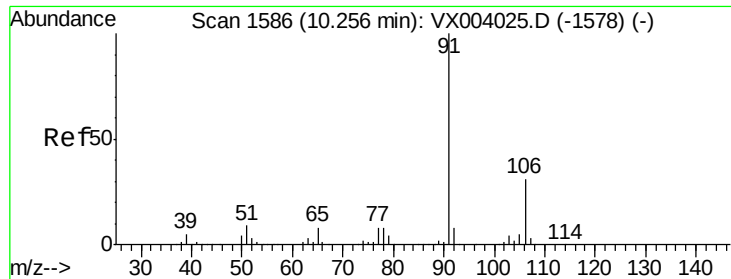
MMDadoda
8/22/2018 11:16:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.13 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	141.8
119	63.9	31.6	94.8





#67

Ethyl Benzene

Concen: 51.01 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 893232

Ion Ratio Lower Upper

91 100

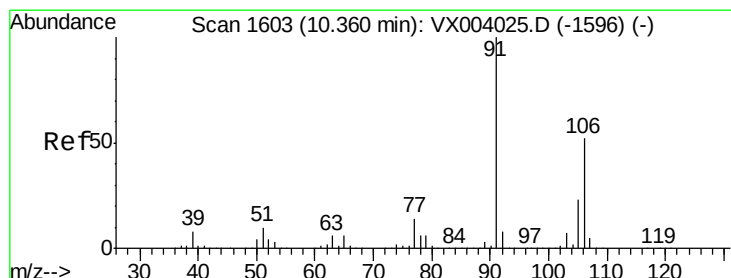
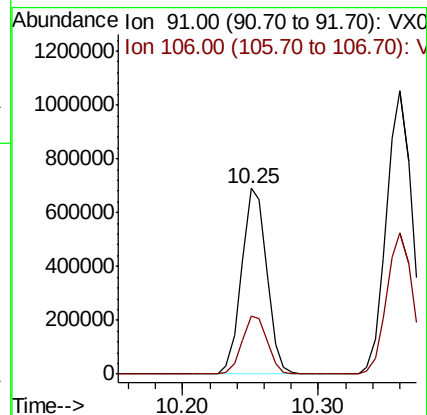
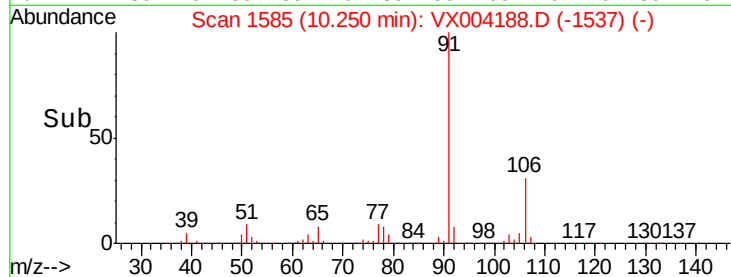
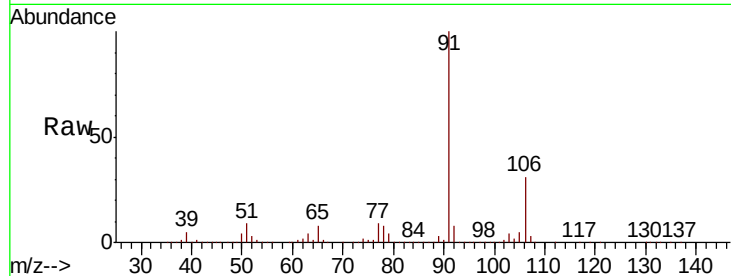
106 31.2 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.56 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004188.D

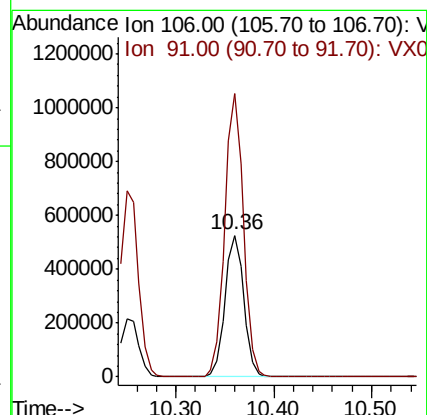
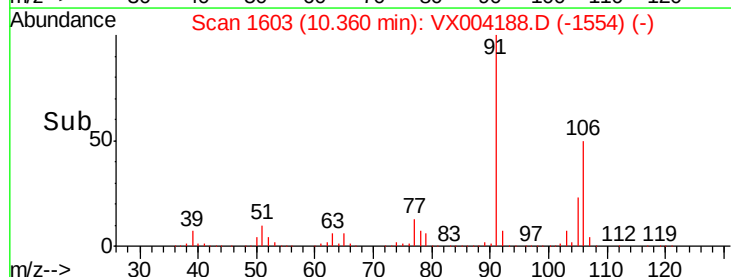
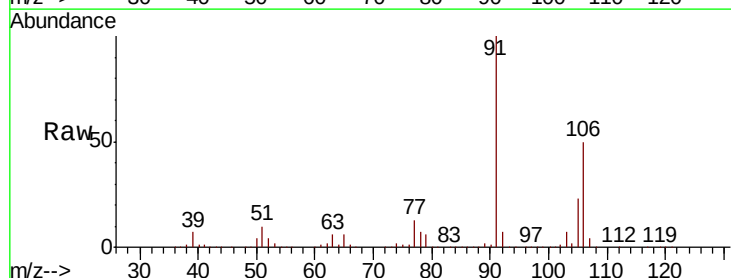
Acq: 21 Aug 2018 20:42

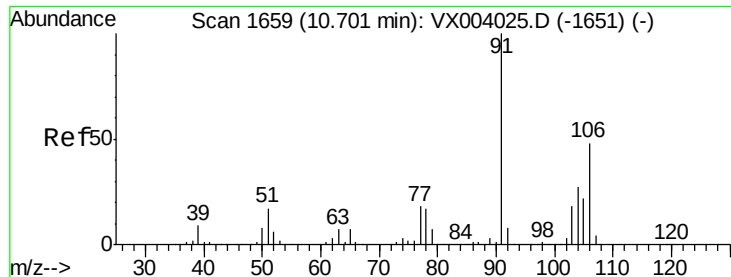
Tgt Ion: 106 Resp: 703246

Ion Ratio Lower Upper

106 100

91 197.8 162.3 243.5





#69

o-Xylene

Concen: 48.40 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 317210

Ion Ratio Lower Upper

106 100

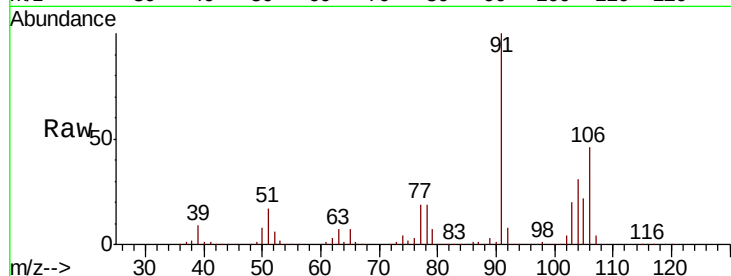
91 215.2 101.9 305.7

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

600000

500000

400000

300000

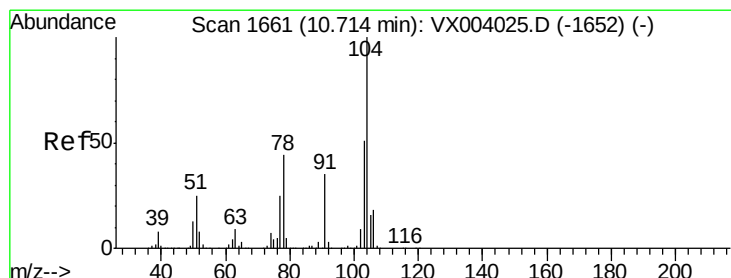
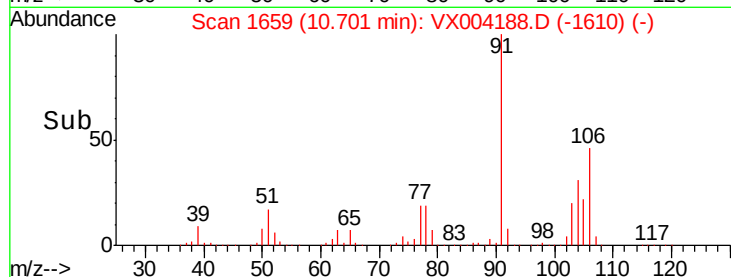
200000

100000

0

10.65 10.70 10.75

Time-->



#70

Styrene

Concen: 48.13 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

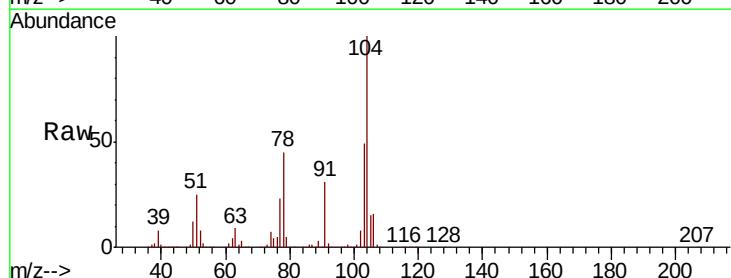
Tgt Ion:104 Resp: 530800

Ion Ratio Lower Upper

104 100

78 49.0 39.8 59.6

103 55.2 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

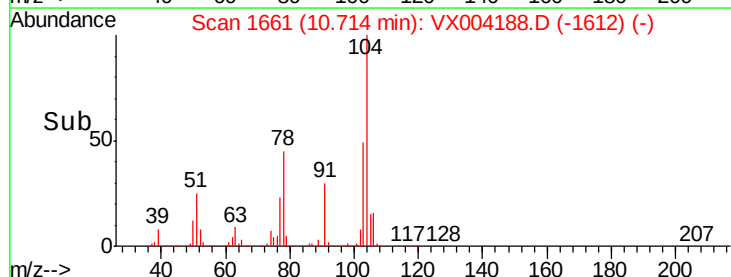
200000

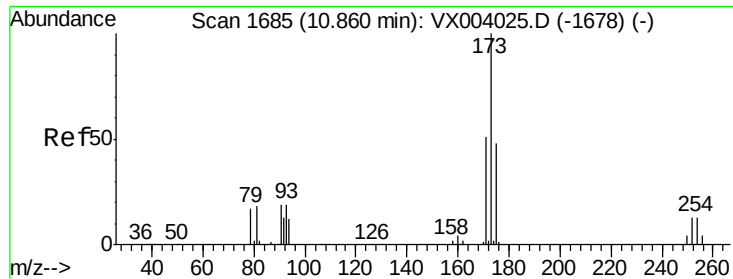
100000

0

10.60 10.70 10.80

Time-->





#71

Bromoform

Concen: 47.89 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

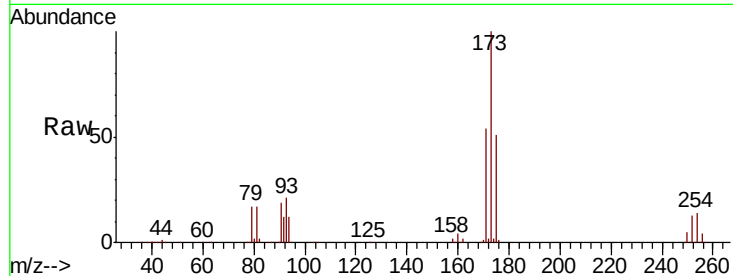
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	143216
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.9	74.7
254	0.2	0.2	0.2

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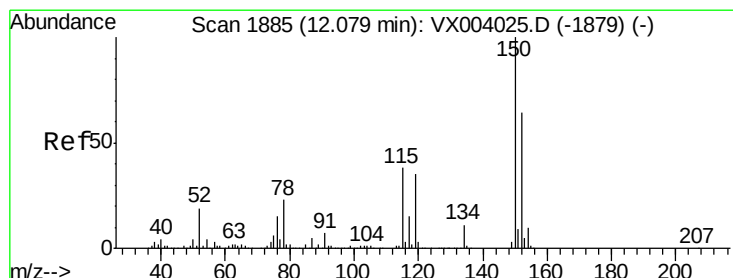
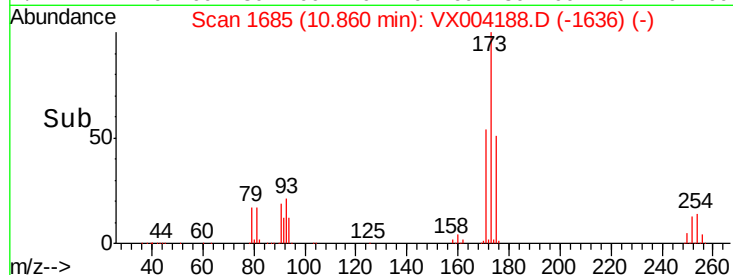
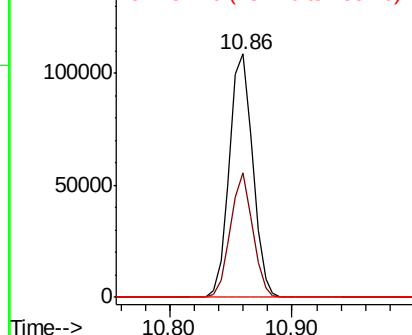


Abundance

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

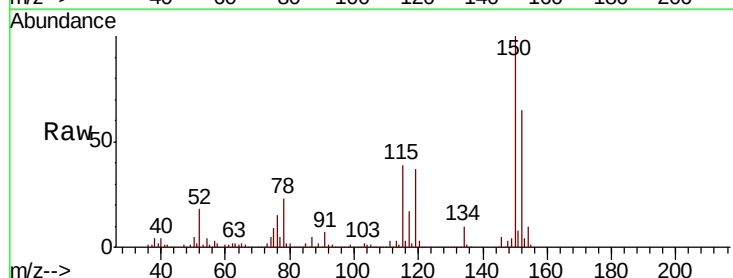
RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	152	Resp:	264678
Ion Ratio	Lower	Upper	
152	100		
115	76.6	39.1	117.3
150	173.2	0.0	349.2

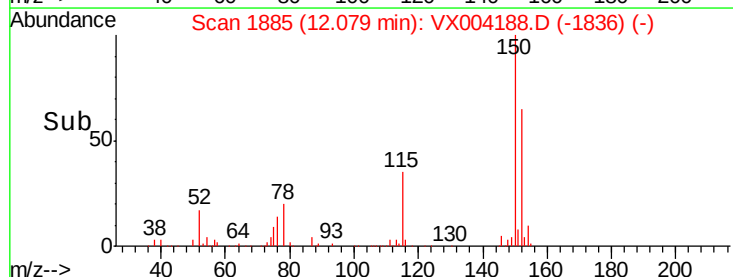
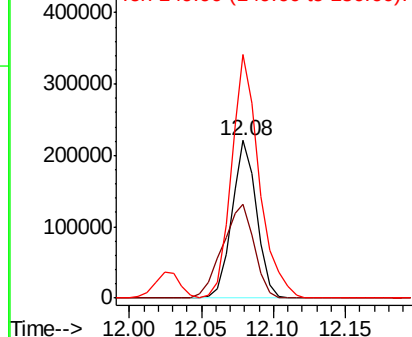


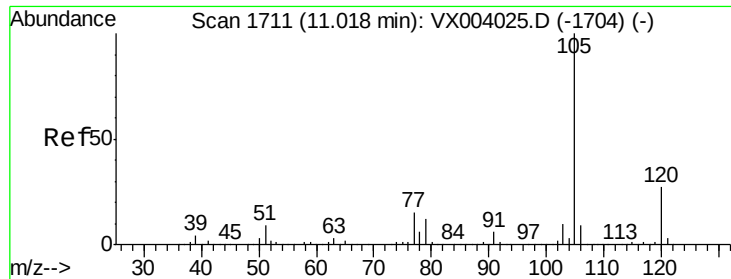
Abundance

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: 50.79 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 909777

Ion Ratio Lower Upper

105 100

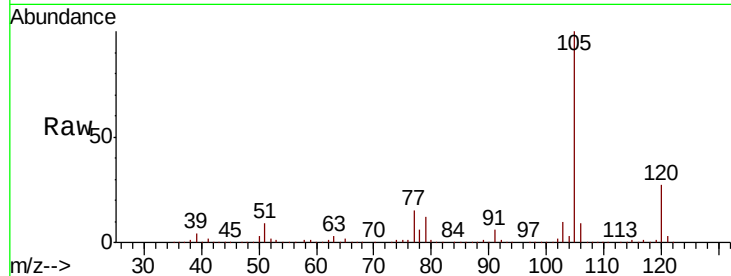
120 27.2 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

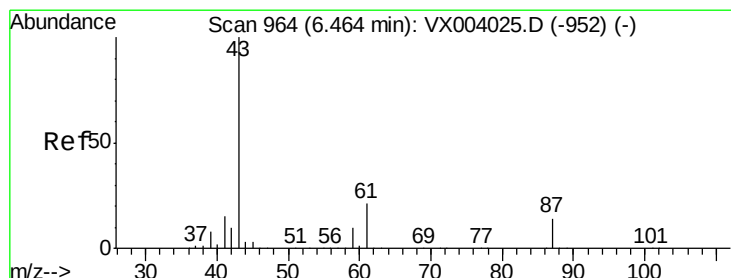
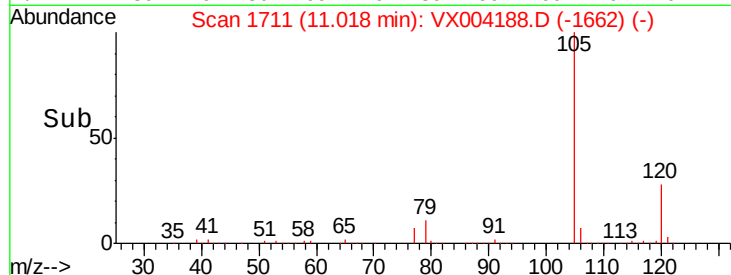
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 45.64 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion: 43 Resp: 384521

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.4 16.9 25.3

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

100000

50000

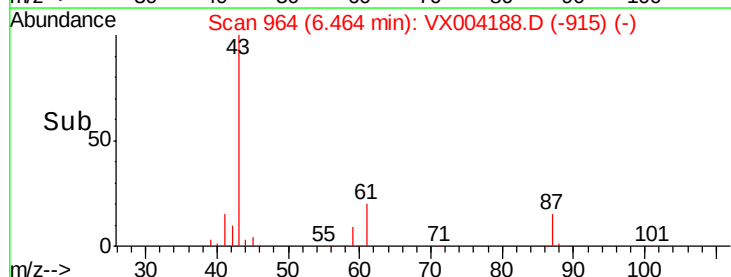
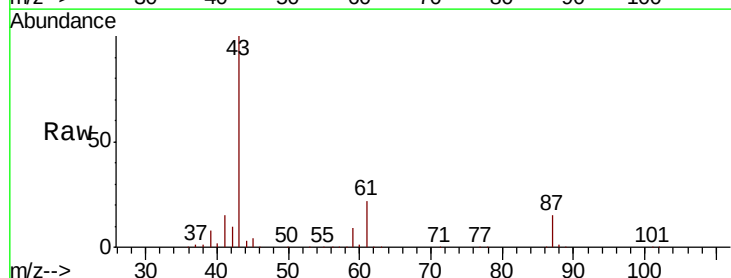
0

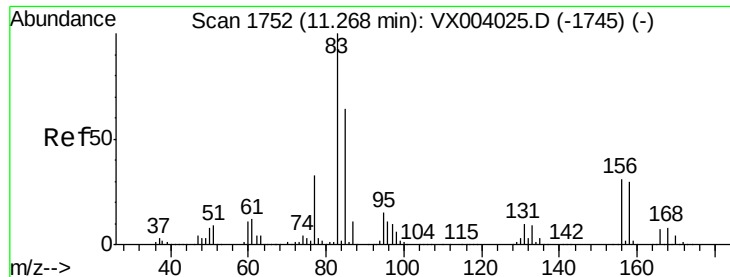
6.46

6.40

6.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.78 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 298876

Ion Ratio Lower Upper

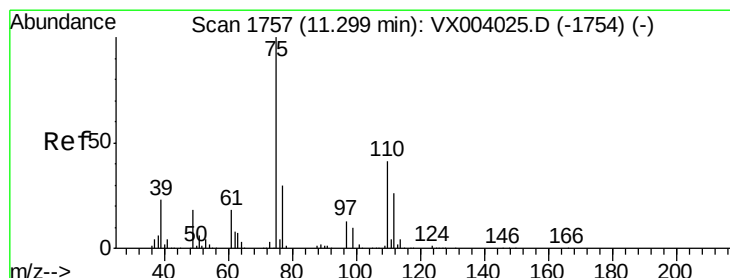
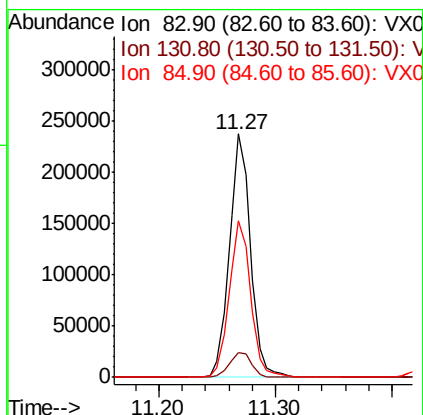
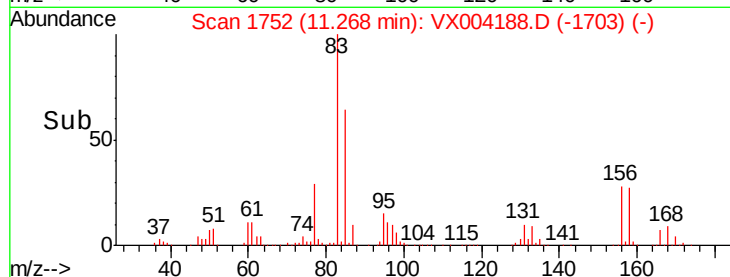
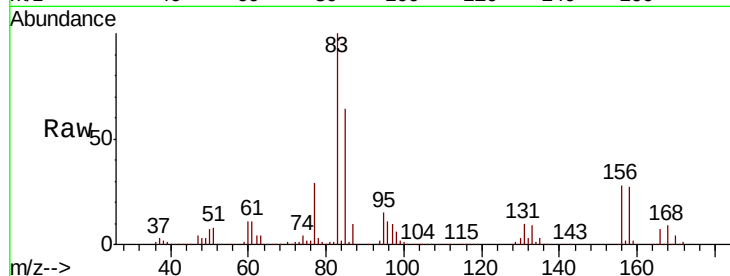
83 100

131 10.8 5.2 15.6

85 65.5 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 51.40 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004188.D

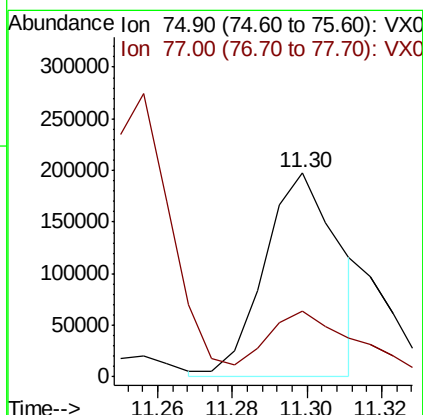
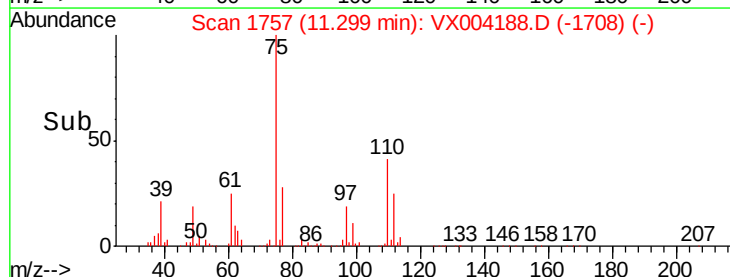
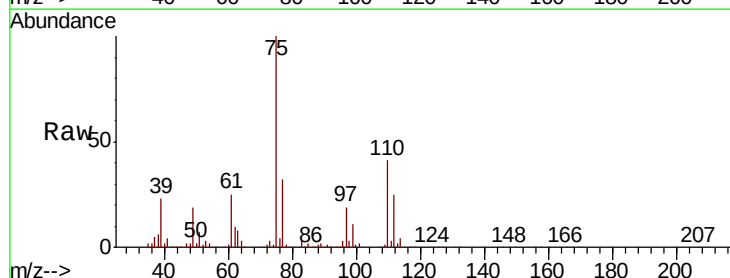
Acq: 21 Aug 2018 20:42

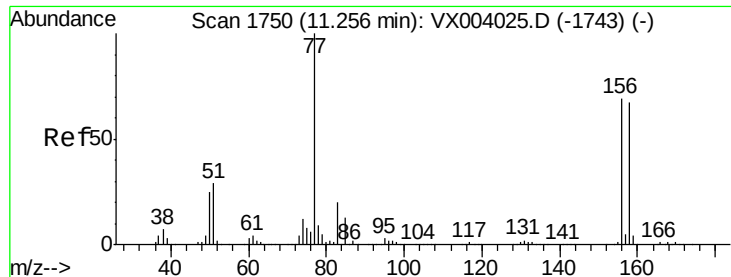
Tgt Ion: 75 Resp: 272824

Ion Ratio Lower Upper

75 100

77 39.1 20.8 62.5





#77

Bromobenzene

Concen: 48.00 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

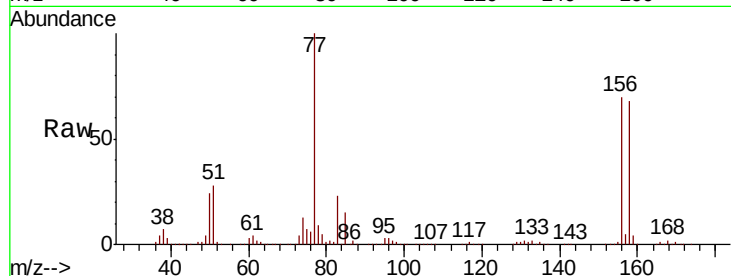
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	237016
Ion Ratio	Lower	Upper	
156	100		
77	145.9	74.1	222.2
158	98.5	48.6	145.9

Manual Integrations
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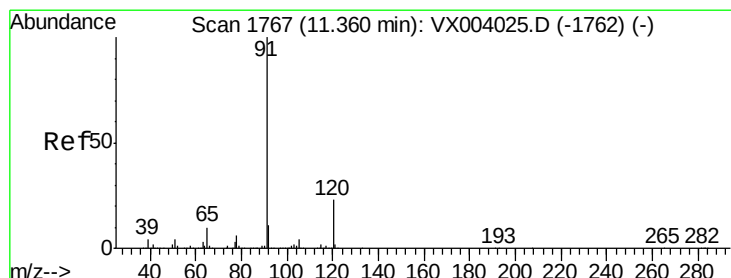
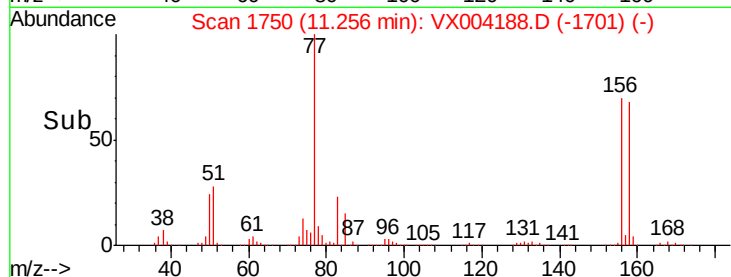
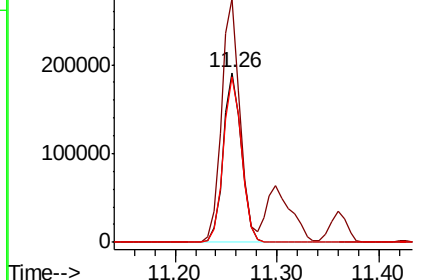
MMDadoda
8/22/2018 11:16:59 AM



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: 52.00 ug/l

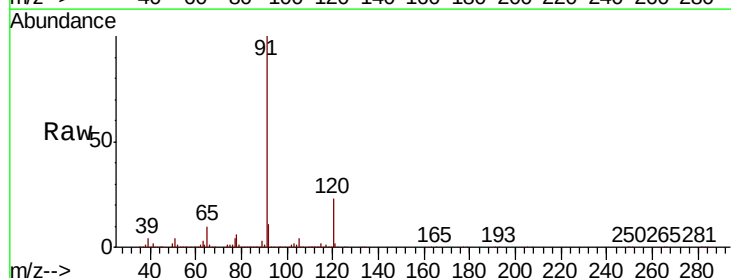
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004188.D

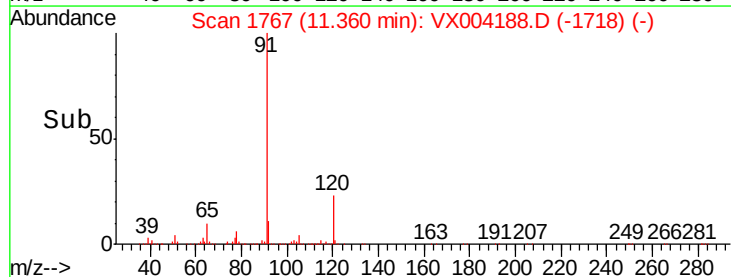
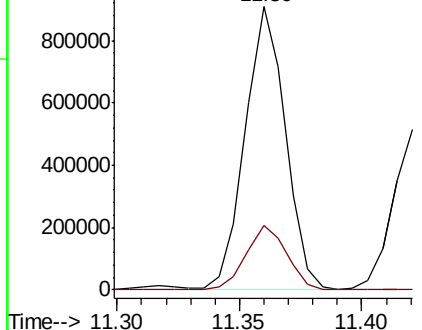
Acq: 21 Aug 2018 20:42

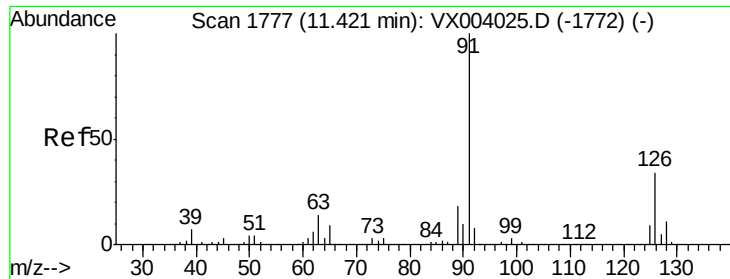
Tgt Ion:	91	Resp:	1042228
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





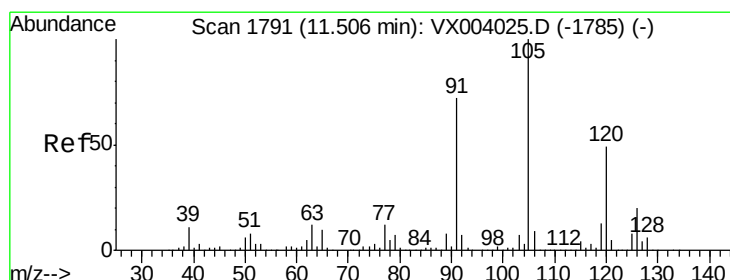
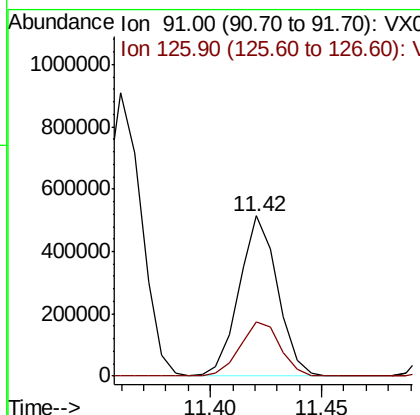
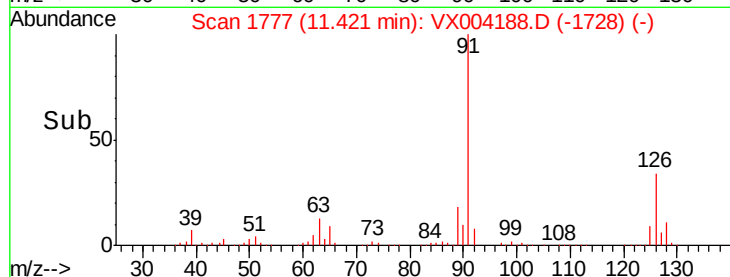
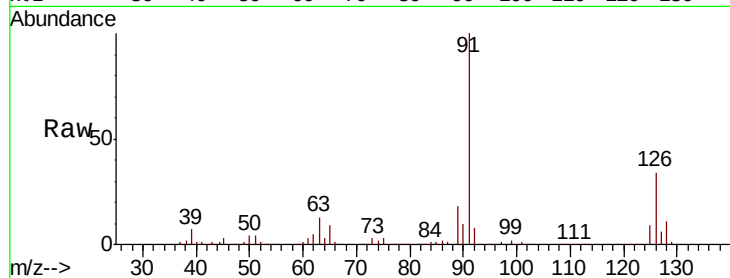
#79
 2-Chlorotoluene
 Concen: 50.52 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3

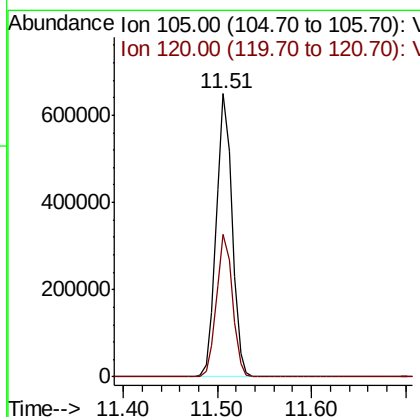
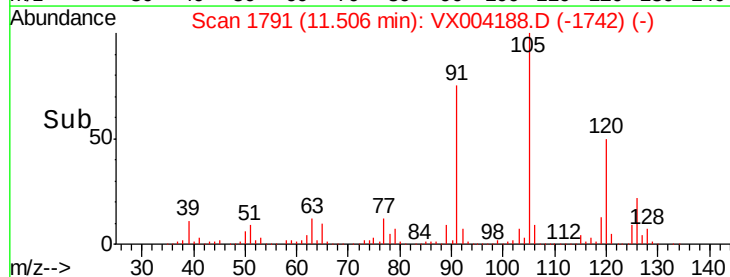
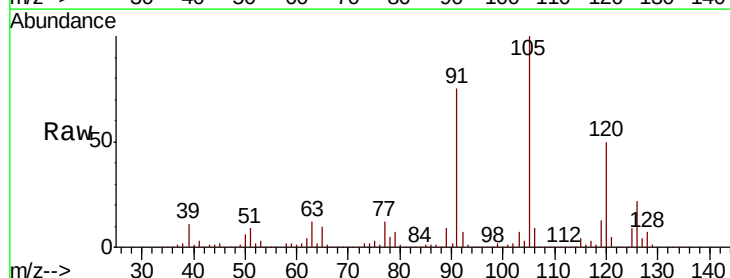
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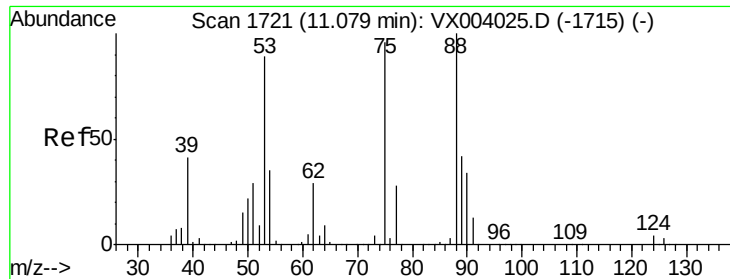
MMDadoda
 8/22/2018 11:16:59 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.71 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.4	76.2





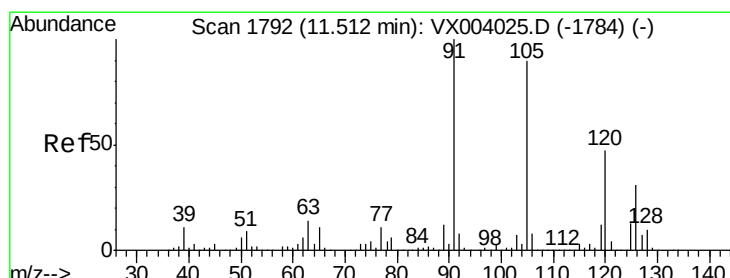
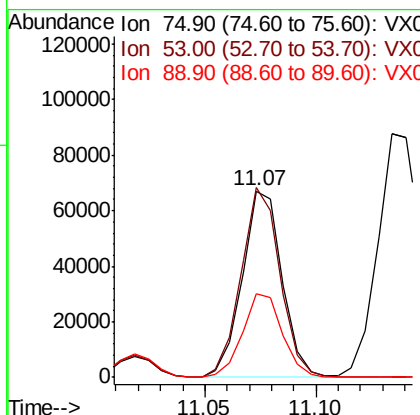
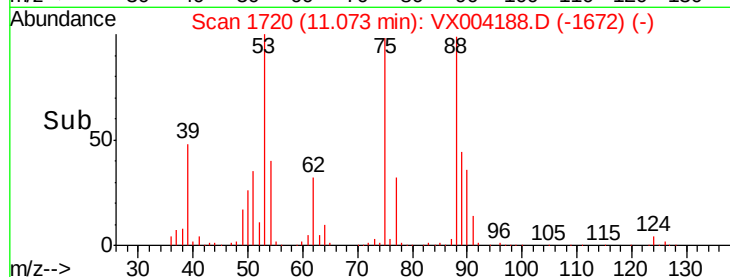
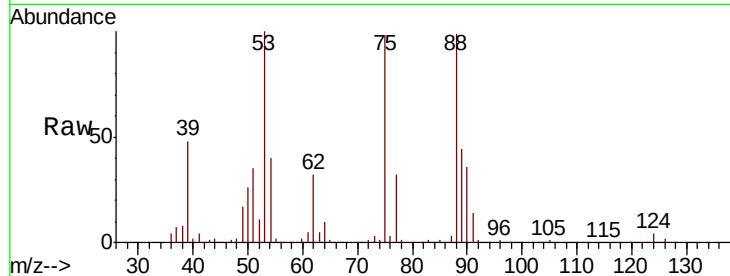
#81
trans-1,4-Dichloro-2-butene
Concen: 48.49 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	80.3	120.5
89	45.2	37.8	56.8

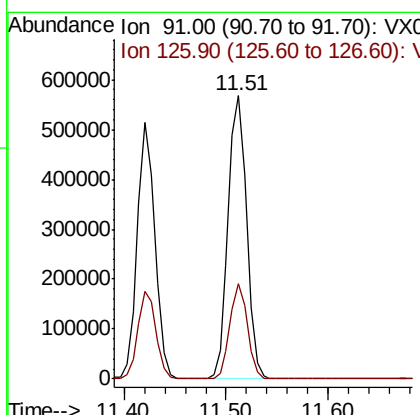
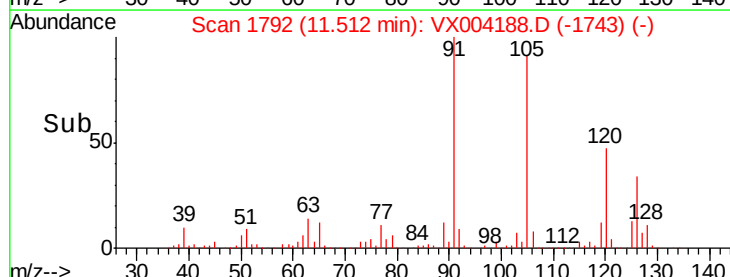
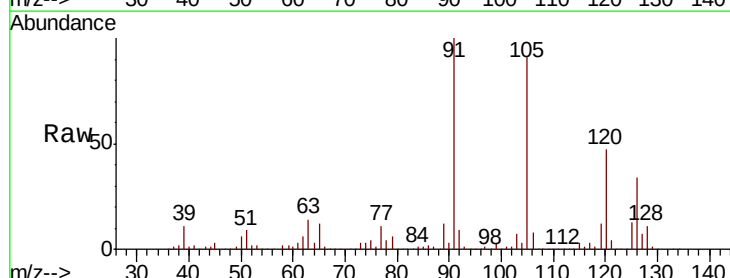
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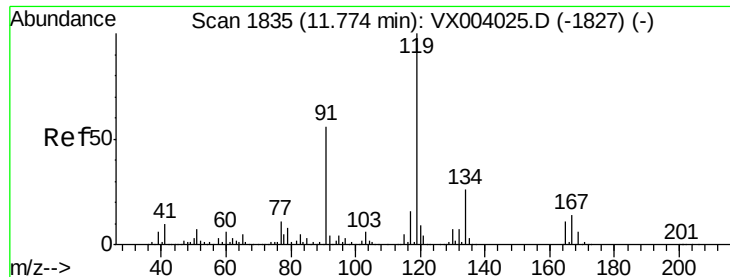
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.30 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.6	46.7





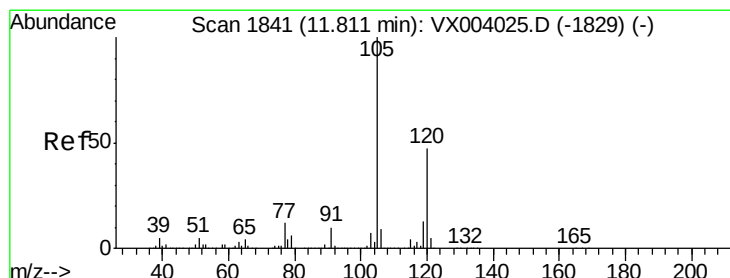
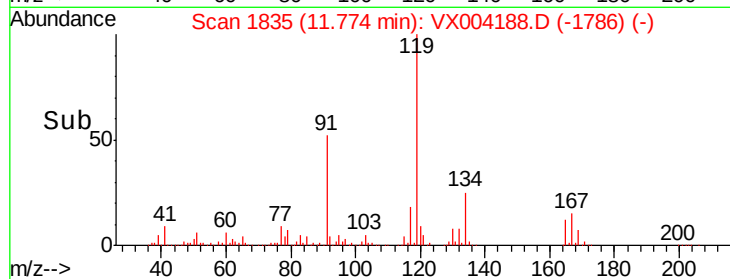
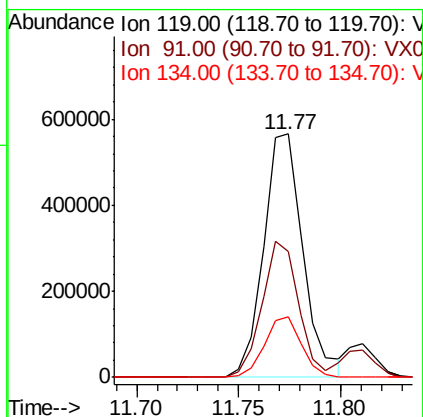
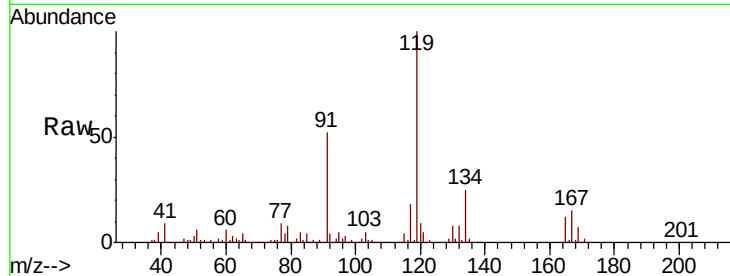
#83
 tert-Butylbenzene
 Concen: 51.65 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	51.9	26.9	80.7
134	23.4	12.0	36.0

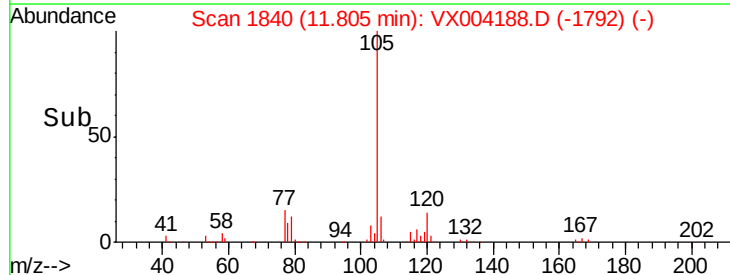
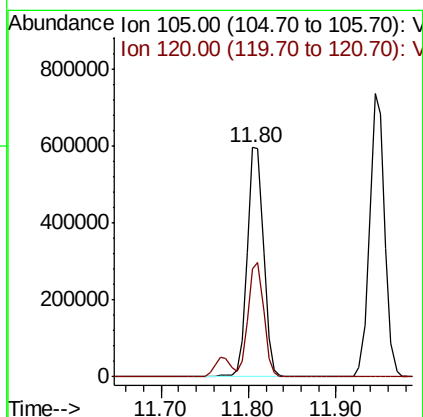
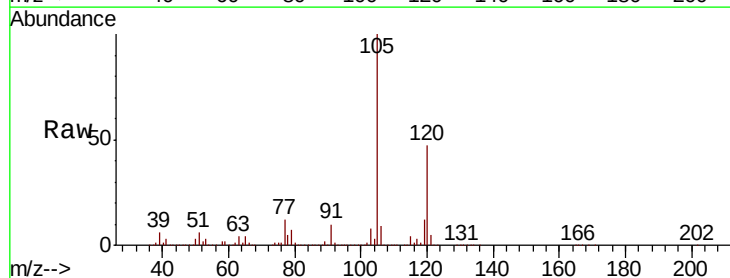
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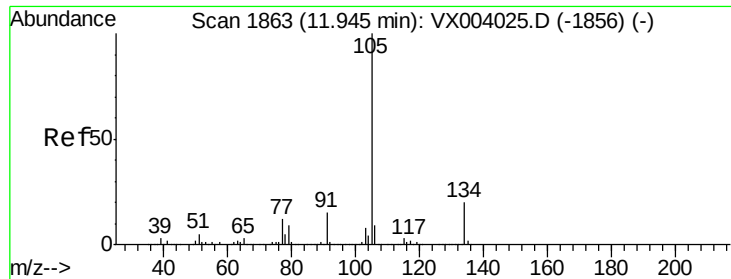
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 8/22/2018 11:16:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.45 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.96 ug/l

RT: 11.95 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 899298

Ion Ratio Lower Upper

105 100

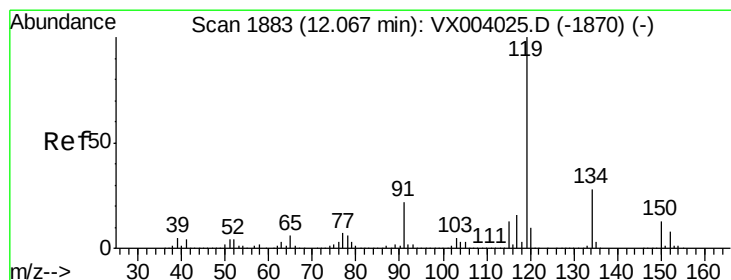
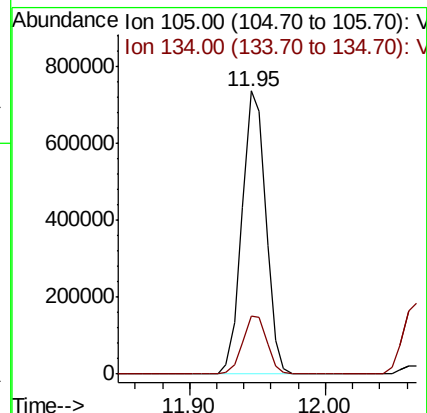
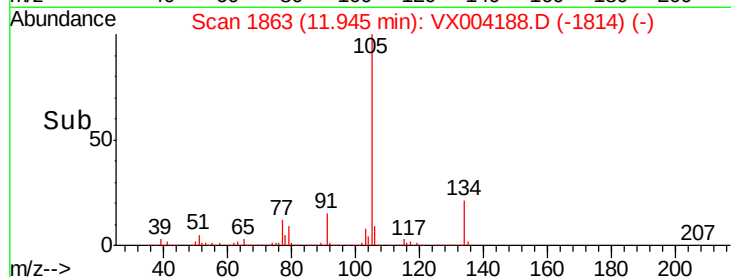
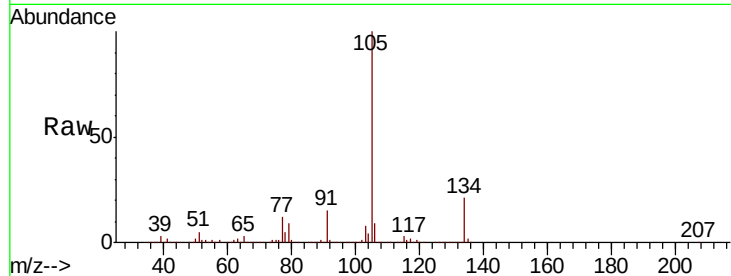
134 21.0 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 52.05 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

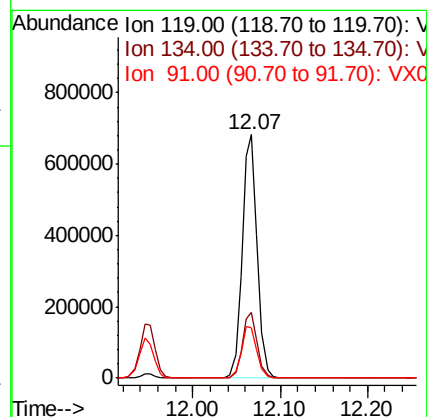
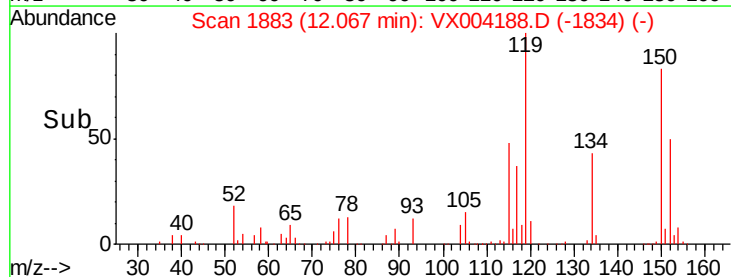
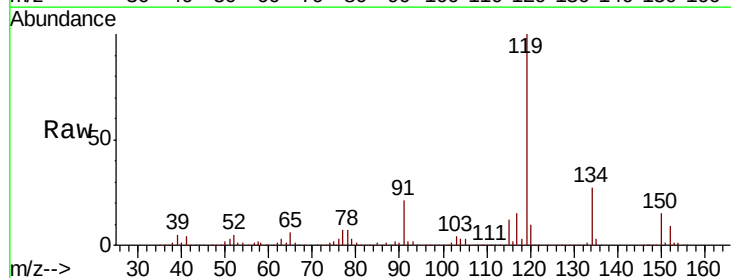
Tgt Ion:119 Resp: 815553

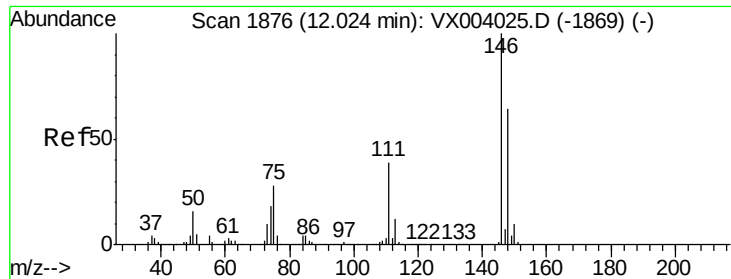
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 21.8 10.9 32.7





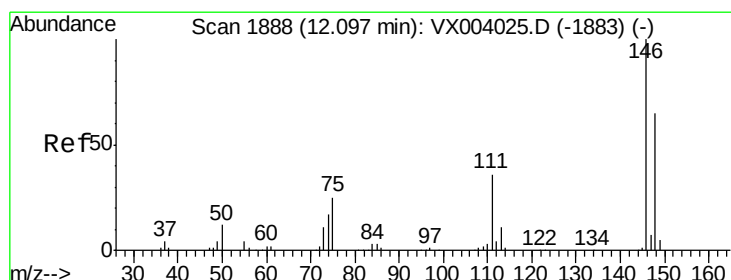
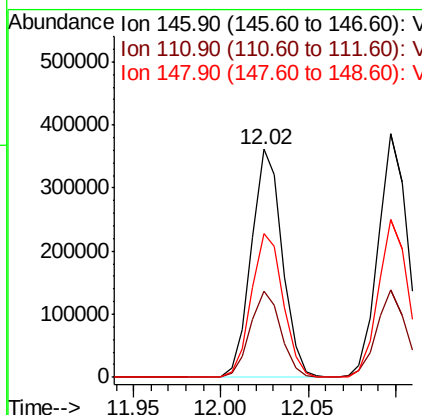
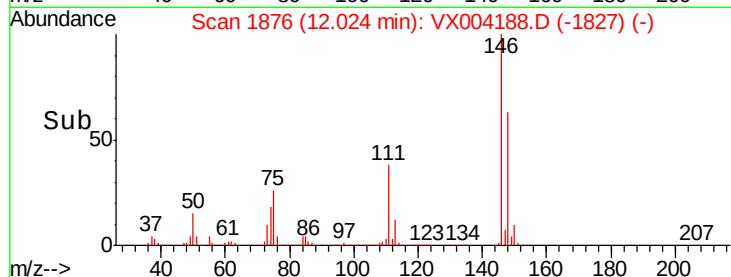
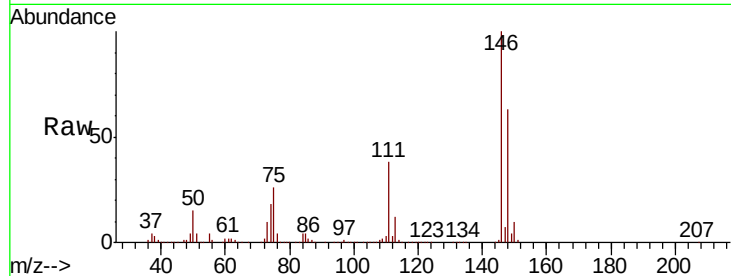
#87
 1,3-Dichlorobenzene
 Concen: 47.29 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.4	31.9	95.5

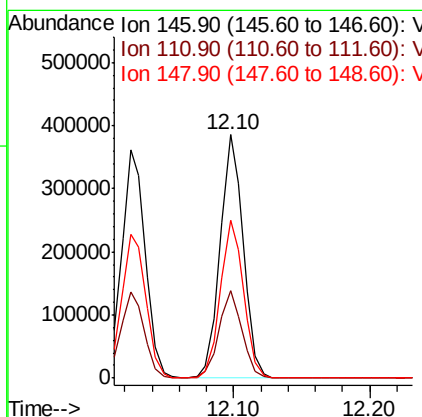
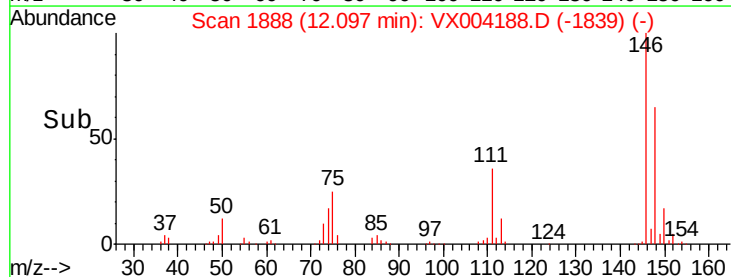
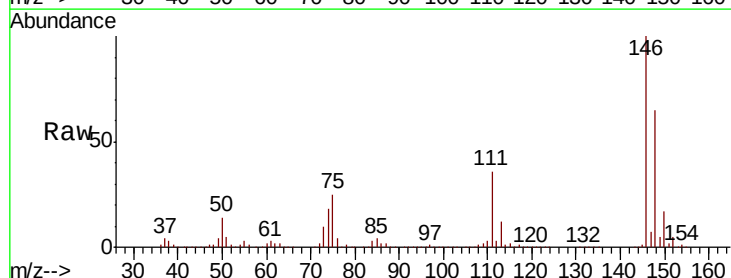
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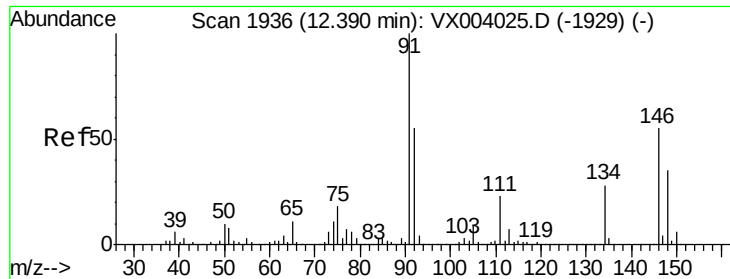
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#88
 1,4-Dichlorobenzene
 Concen: 46.70 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.4	55.0
148	65.1	32.3	96.8





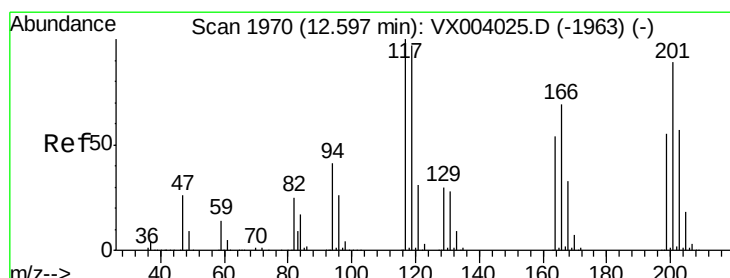
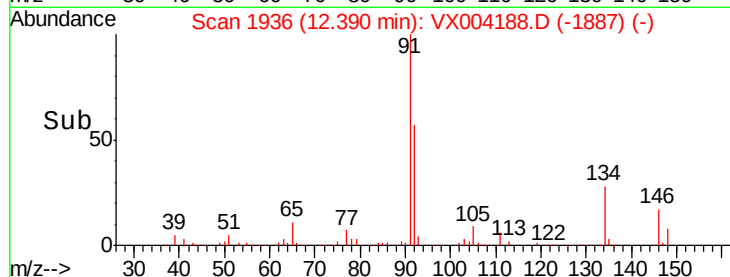
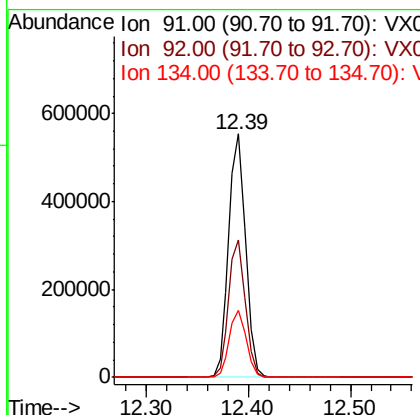
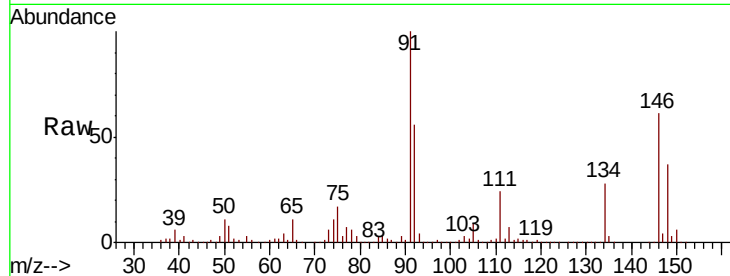
#89
n-Butylbenzene
Concen: 51.38 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.1	81.3
134	27.6	13.6	40.7

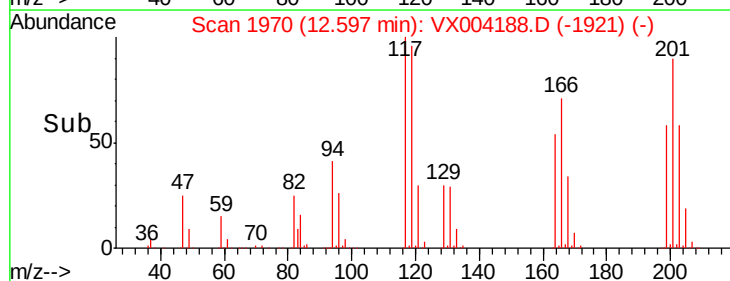
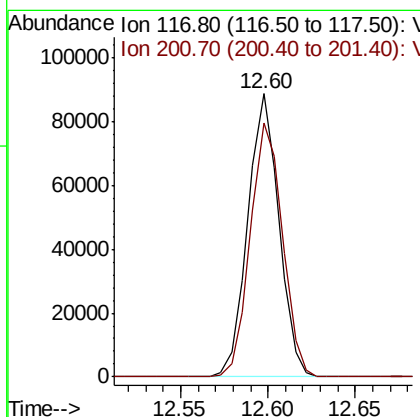
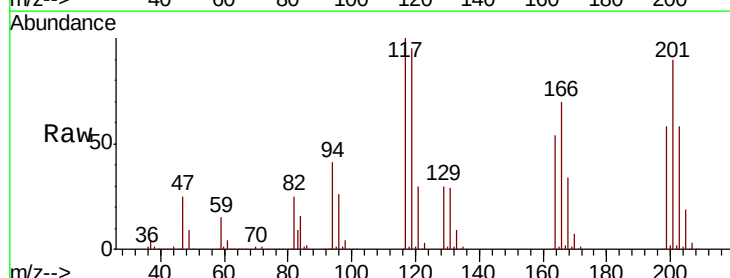
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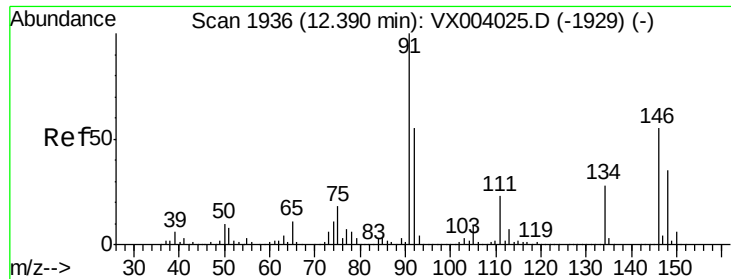
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#90
Hexachloroethane
Concen: 46.90 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004188.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	46.1	138.2





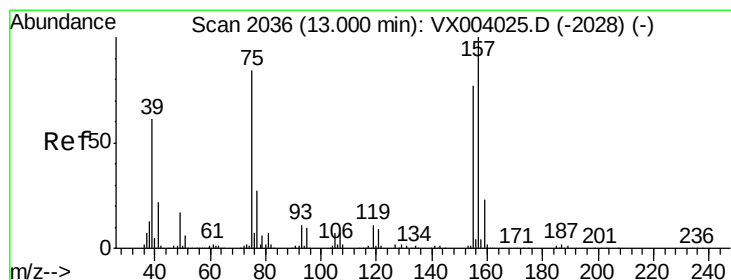
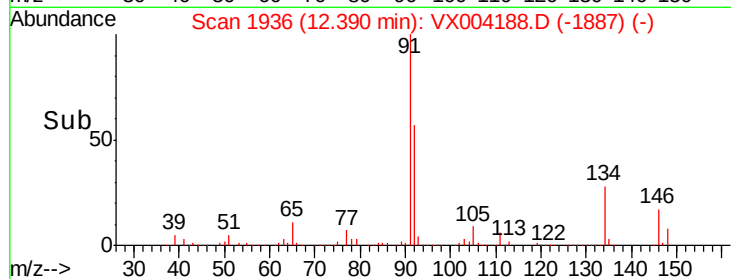
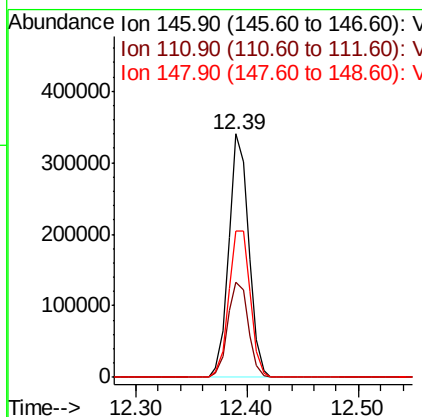
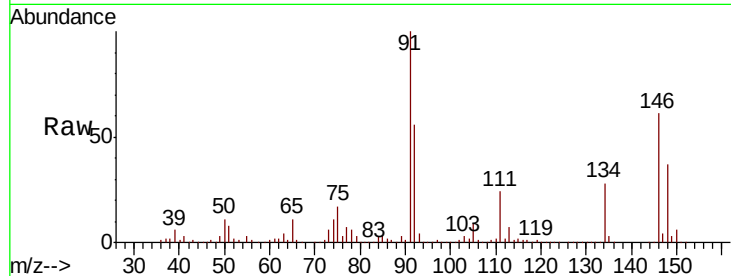
#91
 1,2-Dichlorobenzene
 Concen: 49.35 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	64.9	31.9	95.5

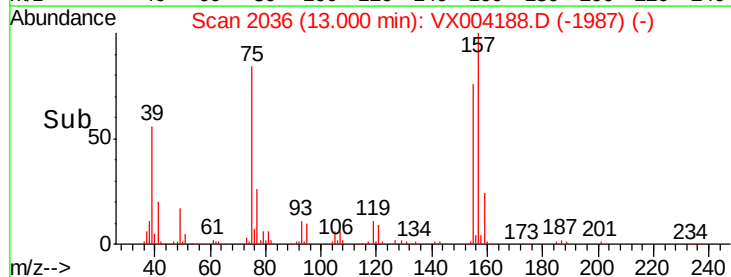
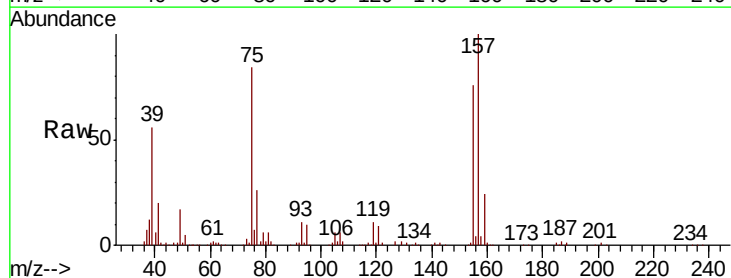
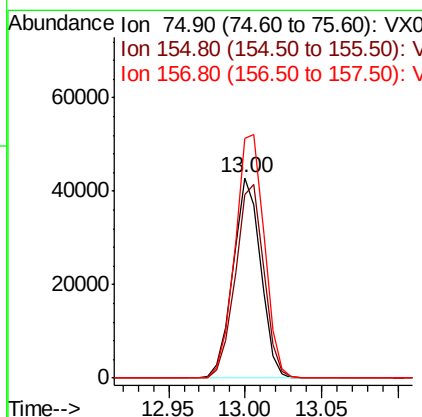
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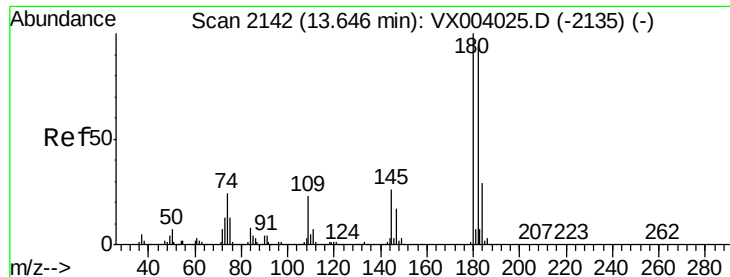
MMDadoda
 8/22/2018 11:16:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.72 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	48.7	146.1
157	128.8	62.6	187.8





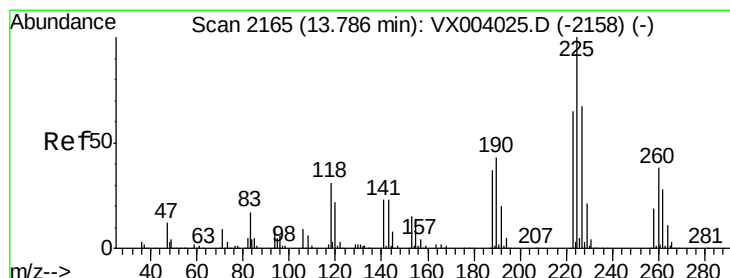
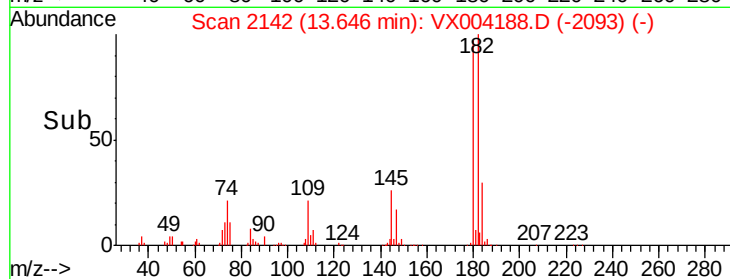
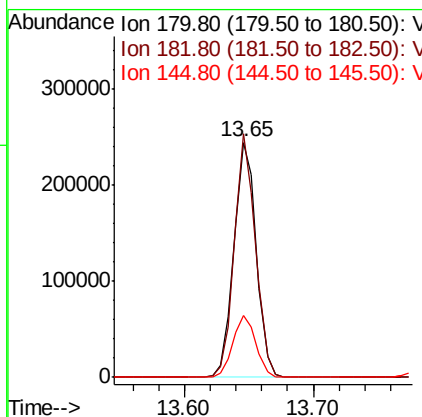
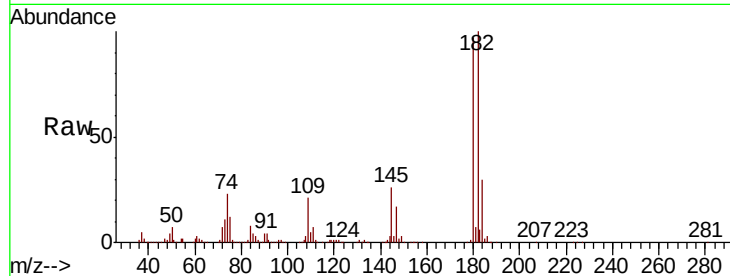
#93
 1,2,4-Trichlorobenzene
 Concen: 51.01 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	296121
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.7	143.1
145	27.1	13.9	41.6

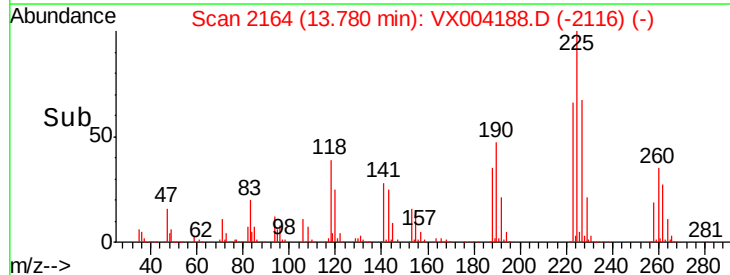
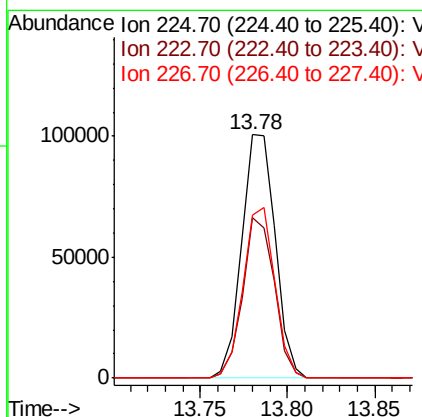
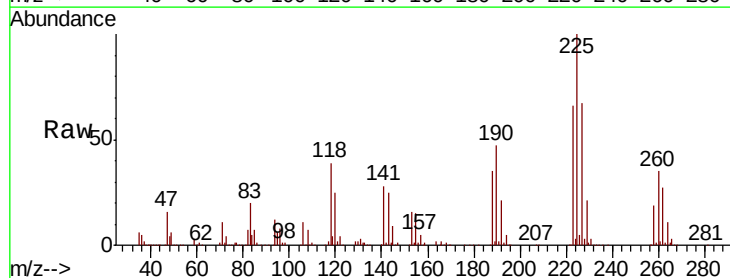
Manual Integrations
 APPROVED

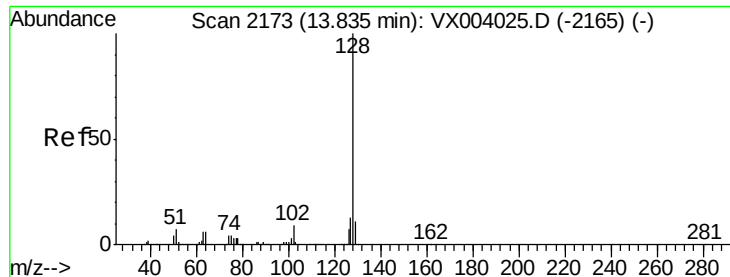
MMDadoda
 8/22/2018 11:16:59 AM



#94
 Hexachlorobutadiene
 Concen: 46.09 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004188.D
 Acq: 21 Aug 2018 20:42

Tgt Ion:	225	Resp:	134129
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.4	94.0
227	66.6	32.1	96.5





#95

Naphthalene

Concen: 51.03 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_X

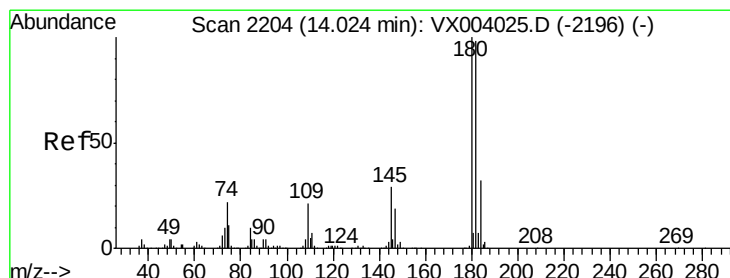
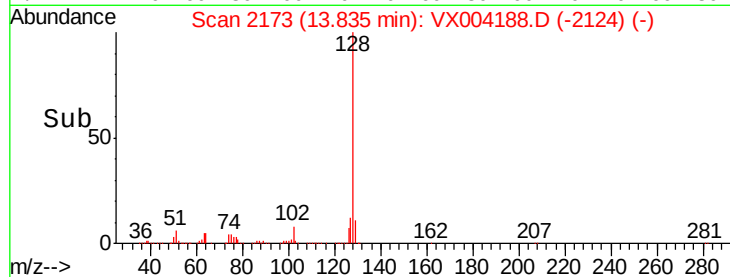
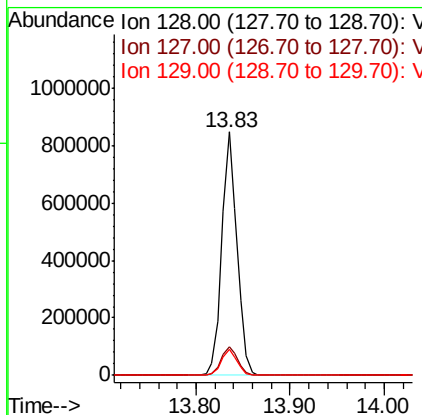
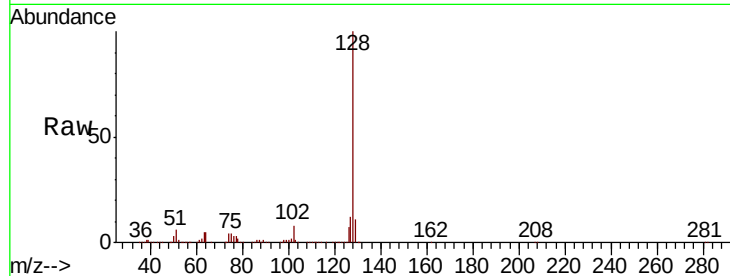
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	944826
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/22/2018 11:16:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.92 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX004188.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	180	Resp:	315992
Ion Ratio	Lower	Upper	
180	100		
182	97.8	48.1	144.4
145	30.6	14.9	44.7

