

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004648.D
 Acq On : 18 Sep 2018 10:56
 Operator : JC/MD
 Sample : VX0918MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 12:50:59 PM

9/19/2018 12:50:59 PM

Quant Time: Sep 18 15:34:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	240987	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	314613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	144402	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	5.50	113	128889	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
50) Toluene-d8	8.71	98	435702	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
62) 4-Bromofluorobenzene	11.14	95	158711	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	42434	18.788	ug/l	97
3) Chloromethane	1.32	50	55218	17.765	ug/l	93
4) Vinyl Chloride	1.40	62	60122	18.846	ug/l	93
5) Bromomethane	1.64	94	30740	22.359	ug/l	99
6) Chloroethane	1.72	64	35297	17.109	ug/l	94
7) Trichlorofluoromethane	1.93	101	78639	18.594	ug/l	95
8) Diethyl Ether	2.18	74	34277	18.079	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50019	18.644	ug/l	96
10) Methyl Iodide	2.51	142	42712	16.441	ug/l	97
11) Tert butyl alcohol	3.06	59	69412	93.617	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46124	18.318	ug/l	91
13) Acrolein	2.29	56	15750	53.813	ug/l	96
14) Allyl chloride	2.73	41	93541	18.069	ug/l	97
15) Acrylonitrile	3.15	53	163063	91.327	ug/l	99
16) Acetone	2.45	43	132016	87.047	ug/l	95
17) Carbon Disulfide	2.57	76	128367	17.637	ug/l	97
18) Methyl Acetate	2.78	43	80562	18.934	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	164119	18.576	ug/l	98
20) Methylene Chloride	2.85	84	56162	18.052	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	52422	18.840	ug/l	88
22) Diisopropyl ether	3.87	45	176627	18.944	ug/l	97
23) Vinyl Acetate	3.82	43	695296	92.152	ug/l	96
24) 1,1-Dichloroethane	3.69	63	102048	19.386	ug/l	98
25) 2-Butanone	4.70	43	197797	81.948	ug/l	99
26) 2,2-Dichloropropane	4.58	77	74584	20.629	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	58368	18.792	ug/l	99
28) Bromochloromethane	5.02	49	42737	17.749	ug/l	100
29) Tetrahydrofuran	5.15	42	127953	87.904	ug/l	98
30) Chloroform	5.21	83	97553	18.982	ug/l	97
31) Cyclohexane	5.57	56	82489	18.352	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	78596	18.988	ug/l	99
36) 1,1-Dichloropropene	5.79	75	72264	18.919	ug/l	98
37) Ethyl Acetate	4.85	43	75140	17.297	ug/l	100
38) Carbon Tetrachloride	5.79	117	71685	19.215	ug/l	93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	77558	19.458	ug/l	89
40) Benzene	6.15	78	222159	19.603	ug/l	94
41) Methacrylonitrile	5.06	41	42426	17.725	ug/l	99
42) 1,2-Dichloroethane	6.20	62	70193	18.675	ug/l	99
43) Isopropyl Acetate	6.46	43	98819	17.127	ug/l	99
44) Trichloroethene	7.21	130	58697	19.936	ug/l	99
45) 1,2-Dichloropropane	7.52	63	52157	19.126	ug/l	99
46) Dibromomethane	7.66	93	33356	19.362	ug/l	99
47) Bromodichloromethane	7.90	83	61107	18.756	ug/l	96
48) Methyl methacrylate	7.77	41	51038	17.874	ug/l	98
49) 1,4-Dioxane	7.75	88	24925	368.798	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	336913	82.742	ug/l	98
52) Toluene	8.79	92	125112	18.738	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	65905	17.317	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	74600	19.229	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	51013	17.744	ug/l	97
56) Ethyl methacrylate	9.18	69	68220	16.773	ug/l	98
57) 1,3-Dichloropropane	9.37	76	82680	17.700	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	179288	91.276	ug/l	96
59) 2-Hexanone	9.49	43	258238	82.683	ug/l	97
60) Dibromochloromethane	9.58	129	49633	18.338	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51343	18.695	ug/l	99
64) Tetrachloroethene	9.33	164	69776	19.611	ug/l	99
65) Chlorobenzene	10.14	112	140623	19.866	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	49275	20.186	ug/l	99
67) Ethyl Benzene	10.26	91	229815	19.967	ug/l	98
68) m/p-Xylenes	10.36	106	183349	41.354	ug/l	97
69) o-Xylene	10.70	106	85972	20.170	ug/l	98
70) Styrene	10.71	104	145095	20.547	ug/l	99
71) Bromoform	10.86	173	39263	19.589	ug/l #	99
73) Isopropylbenzene	11.02	105	236880	20.299	ug/l	100
74) N-amyl acetate	10.90	43	87321	17.778	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	68791	18.275	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	67933m	19.056	ug/l	
77) Bromobenzene	11.26	156	65306	20.247	ug/l	98
78) n-propylbenzene	11.36	91	273615	20.392	ug/l	99
79) 2-Chlorotoluene	11.42	91	162297	19.944	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	202504	20.642	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	20921	18.706	ug/l	98
82) 4-Chlorotoluene	11.51	91	192780	20.297	ug/l	100
83) tert-Butylbenzene	11.77	119	187063	20.029	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	208277	20.794	ug/l	99
85) sec-Butylbenzene	11.95	105	245513	20.628	ug/l	99
86) p-Isopropyltoluene	12.07	119	220679	20.997	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	121109	20.124	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	122963	19.774	ug/l	98
89) n-Butylbenzene	12.39	91	189578	19.794	ug/l	97
90) Hexachloroethane	12.60	117	32453	19.288	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	120532	19.788	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15074	18.755	ug/l	99

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Manual Integrations
APPROVED

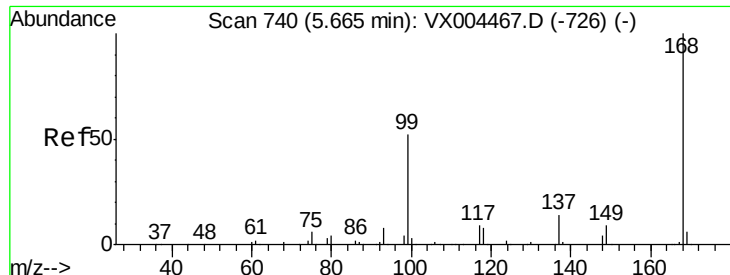
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	88023	20.409	ug/l	99
94) Hexachlorobutadiene	13.79	225	47738	21.190	ug/l	96
95) Naphthalene	13.83	128	237224	19.610	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	90871	20.508	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 168 Resp: 240987

Ion Ratio Lower Upper

168 100

99 46.7 39.9 59.9

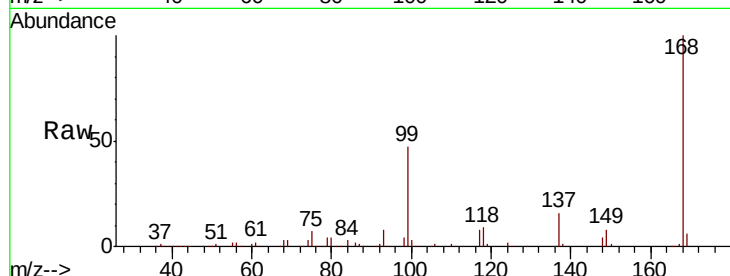
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

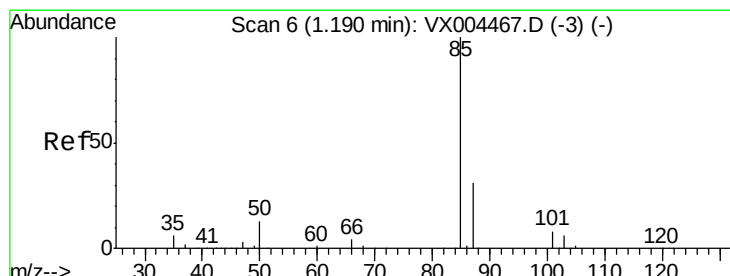
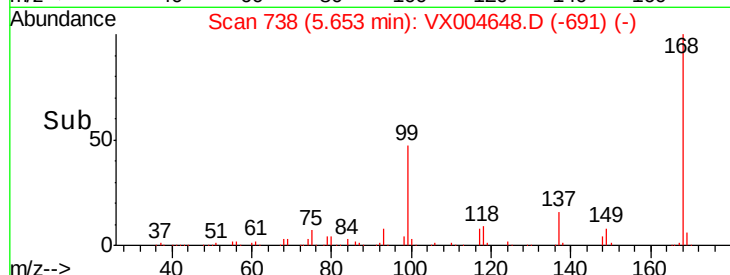
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.788 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004648.D

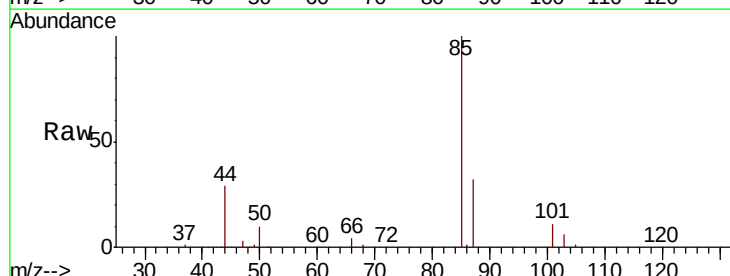
Acq: 18 Sep 2018 10:56

Tgt Ion: 85 Resp: 42434

Ion Ratio Lower Upper

85 100

87 32.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

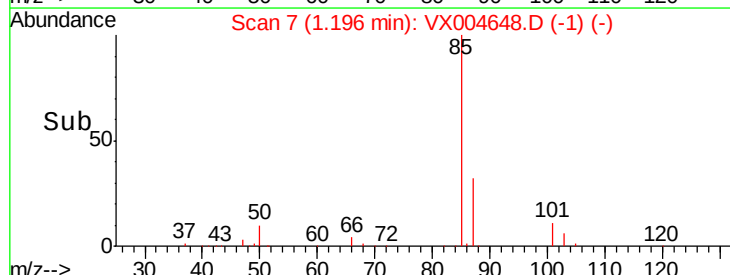
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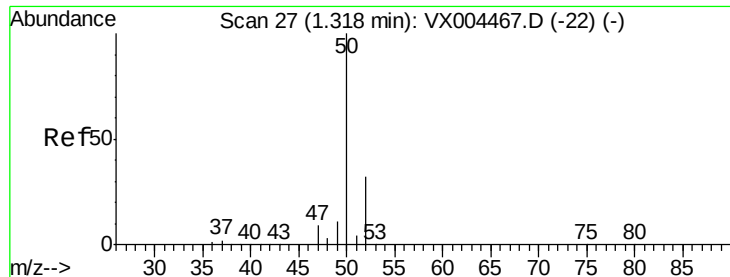
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.765 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 50 Resp: 55218

Ion Ratio Lower Upper

50 100

52 36.6 26.2 39.2

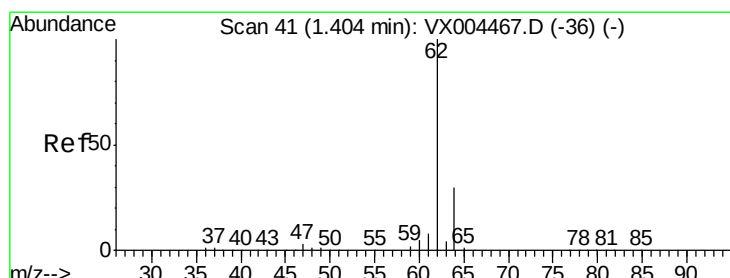
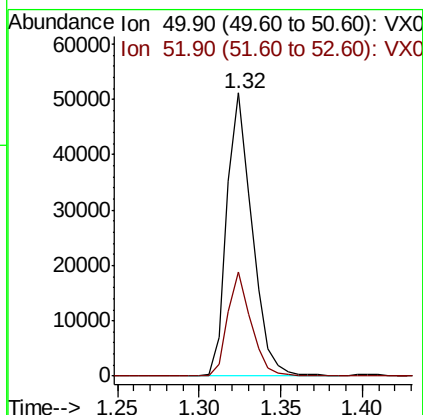
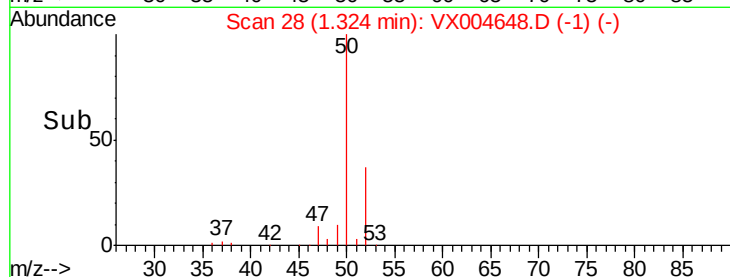
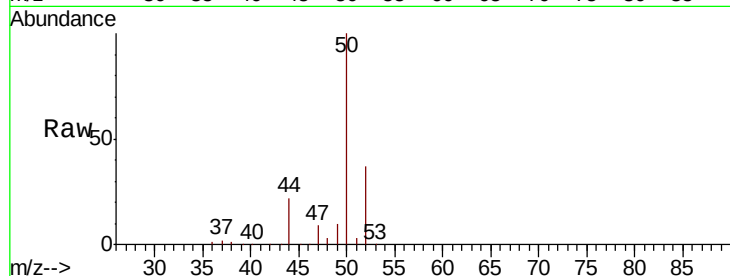
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#4

Vinyl Chloride

Concen: 18.846 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004648.D

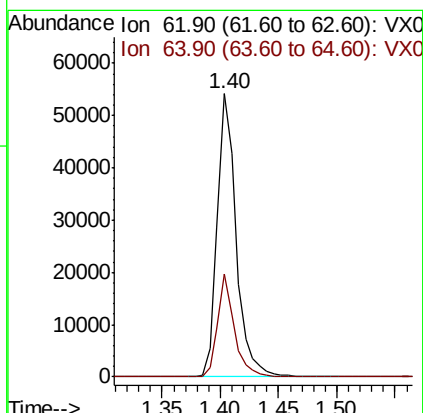
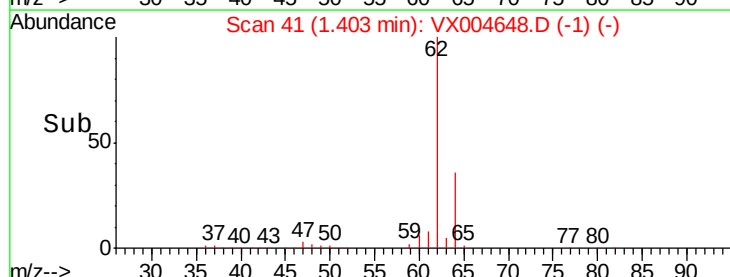
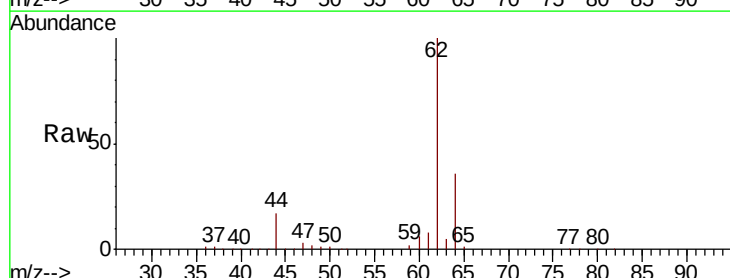
Acq: 18 Sep 2018 10:56

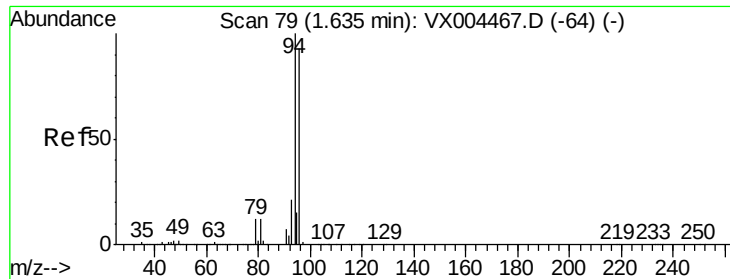
Tgt Ion: 62 Resp: 60122

Ion Ratio Lower Upper

62 100

64 36.4 25.8 38.8





#5

Bromomethane

Concen: 22.359 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 94 Resp: 30740

Ion Ratio Lower Upper

94 100

96 94.3 74.5 111.7

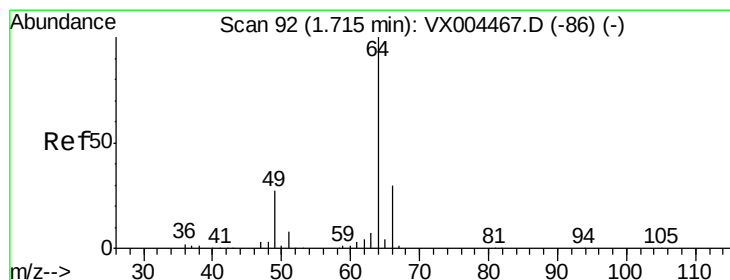
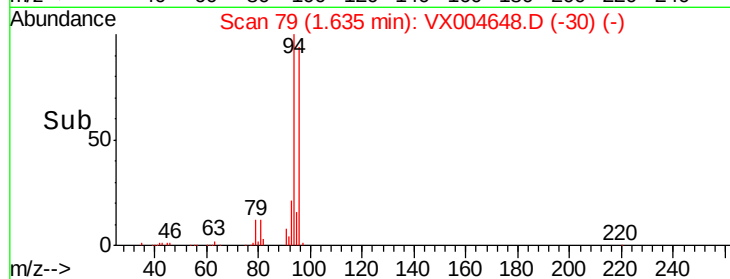
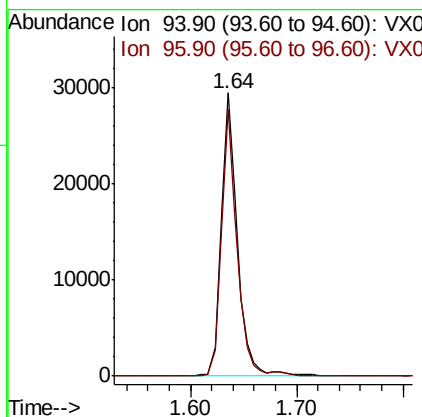
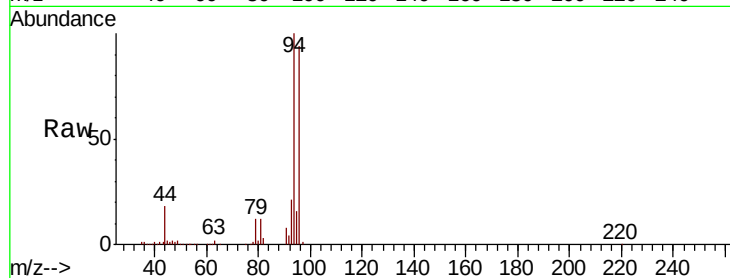
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#6

Chloroethane

Concen: 17.109 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004648.D

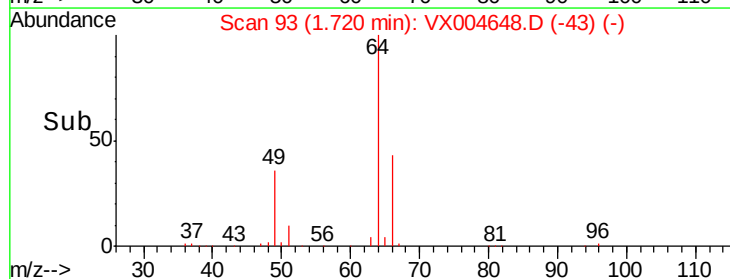
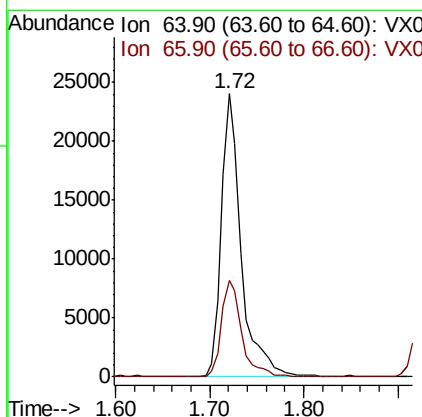
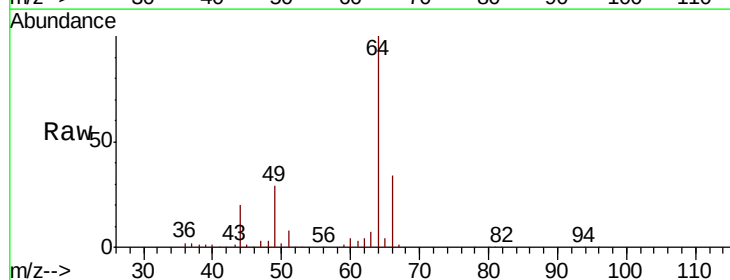
Acq: 18 Sep 2018 10:56

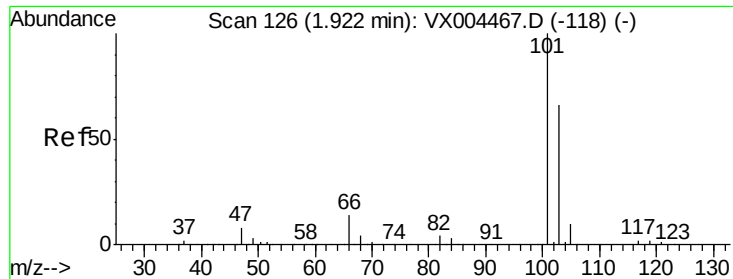
Tgt Ion: 64 Resp: 35297

Ion Ratio Lower Upper

64 100

66 34.0 24.6 36.8





#7

Trichlorofluoromethane
 Concen: 18.594 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

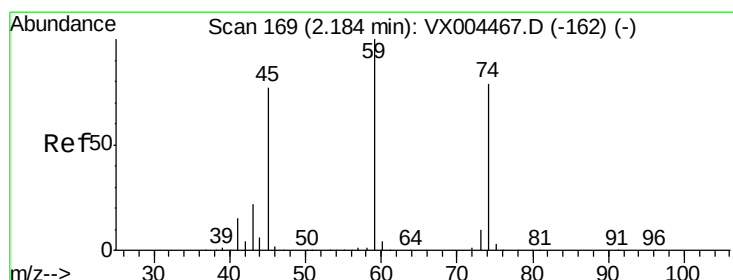
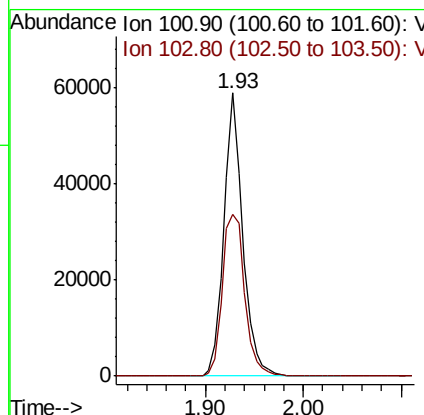
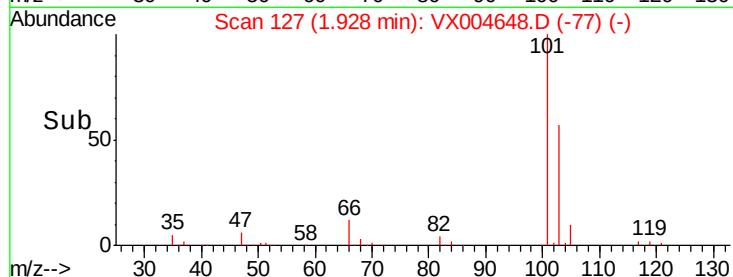
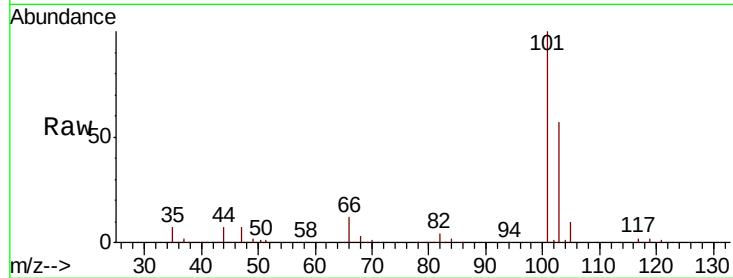
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion: 101 Resp: 78639
 Ion Ratio Lower Upper
 101 100
 103 57.1 48.9 73.3

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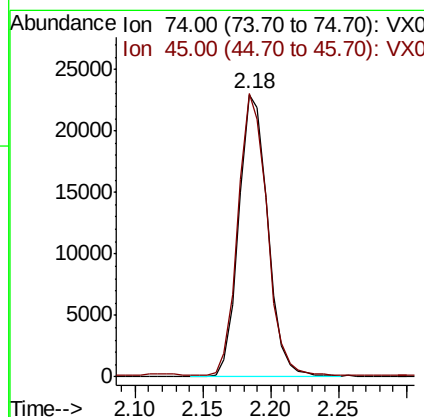
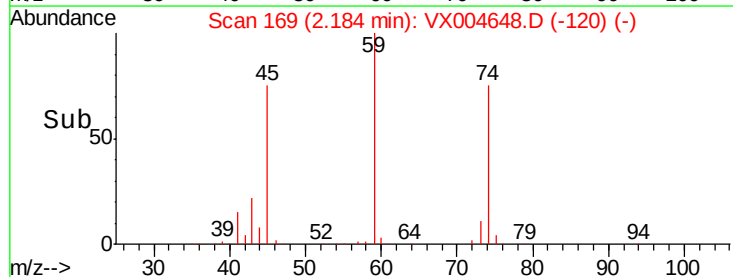
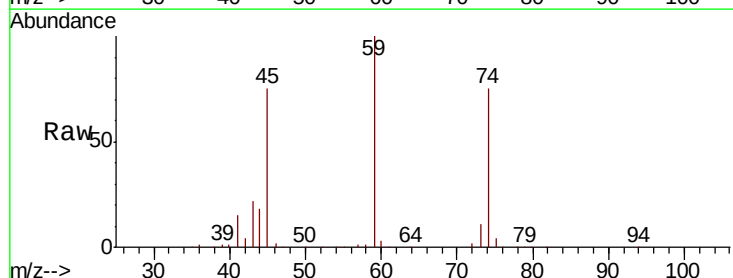
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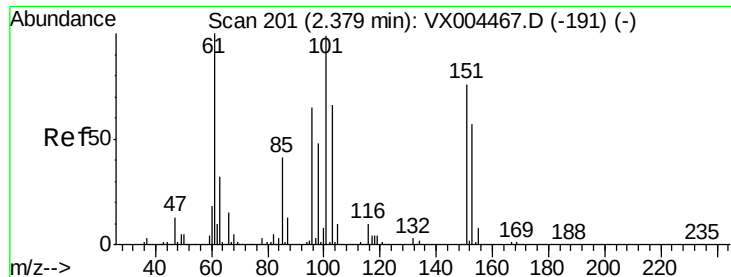


#8

Diethyl Ether
 Concen: 18.079 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion: 74 Resp: 34277
 Ion Ratio Lower Upper
 74 100
 45 99.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.644 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

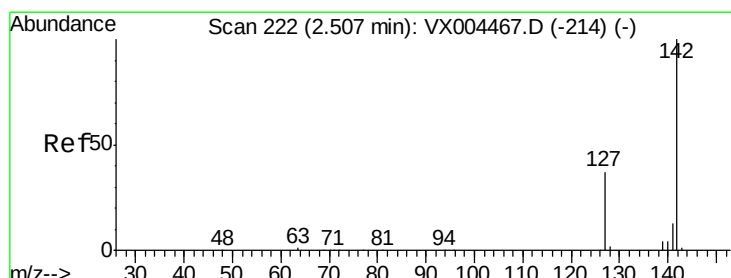
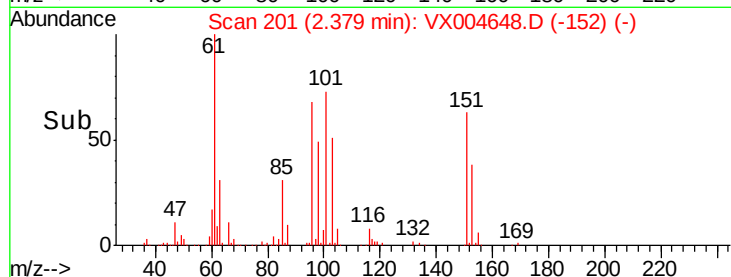
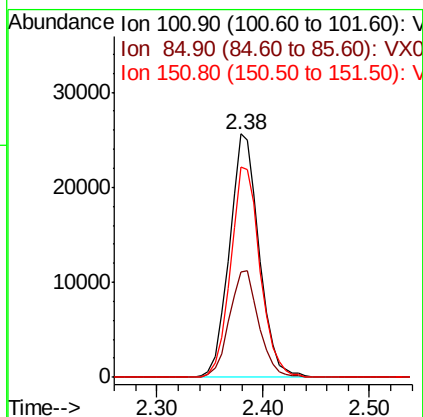
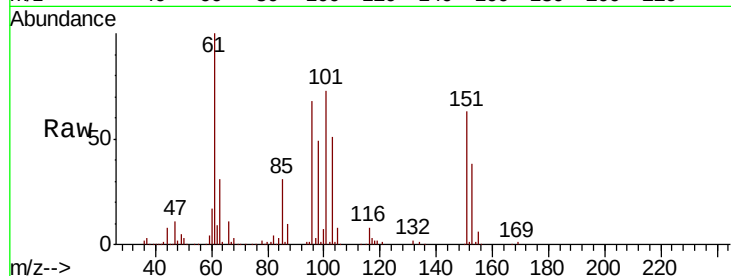
Tgt Ion:	101	Resp:	50019
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	86.0	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.441 ug/l

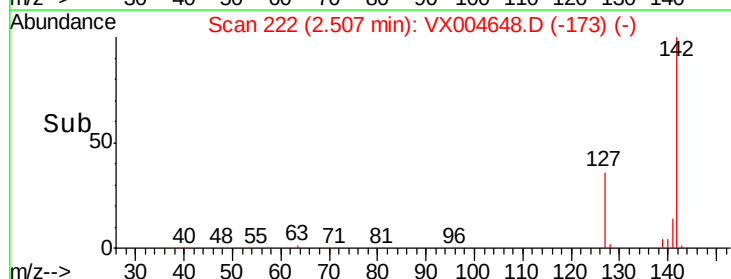
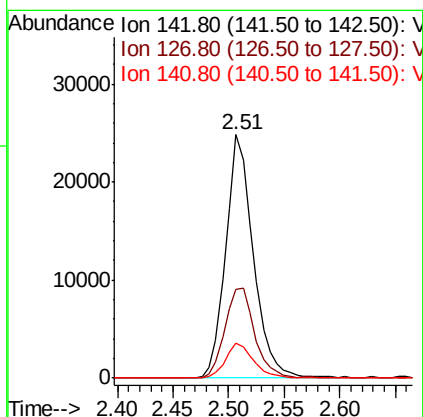
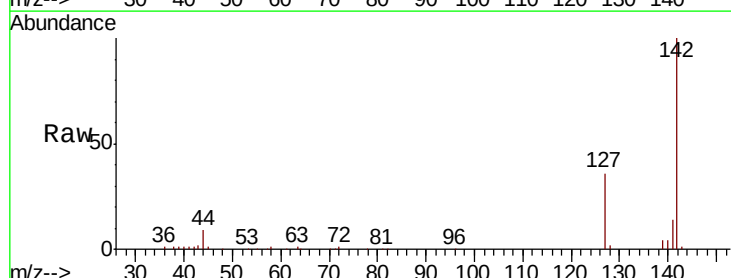
RT: 2.51 min Scan# 222

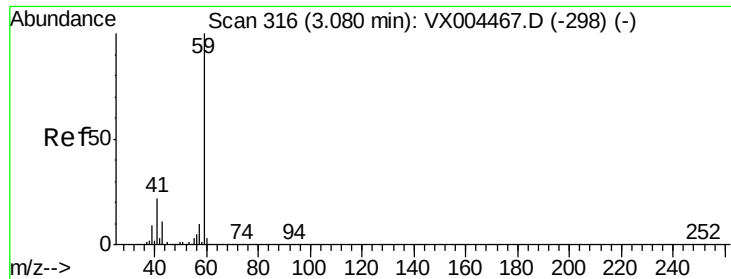
Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Tgt Ion:	142	Resp:	42712
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.8	50.6
141	14.4	11.4	17.0





#11
Tert butyl alcohol
Concen: 93.617 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

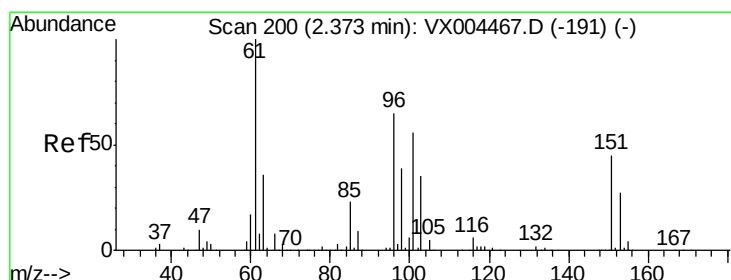
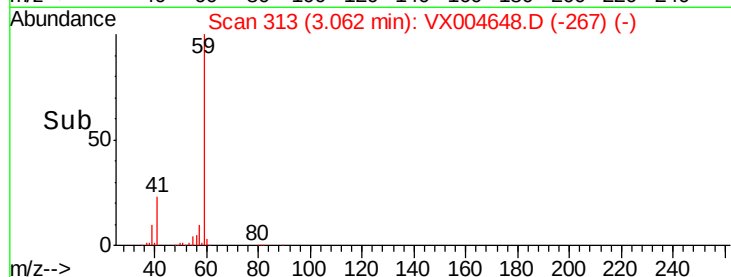
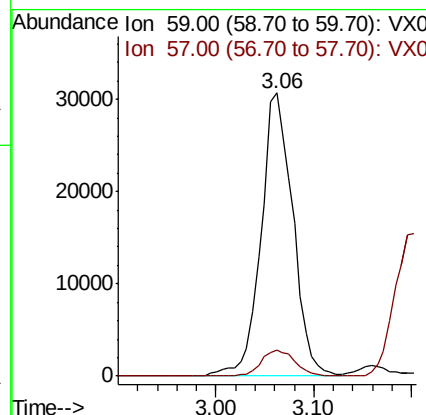
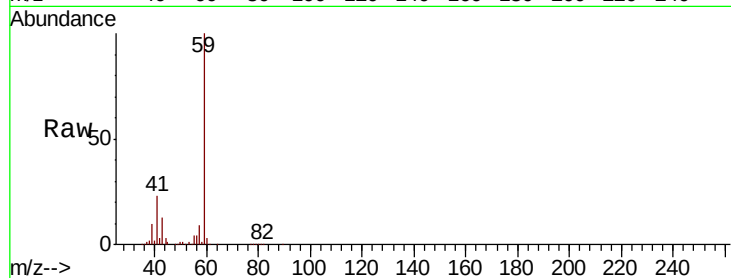
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion: 59 Resp: 69412
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.4

Manual Integrations
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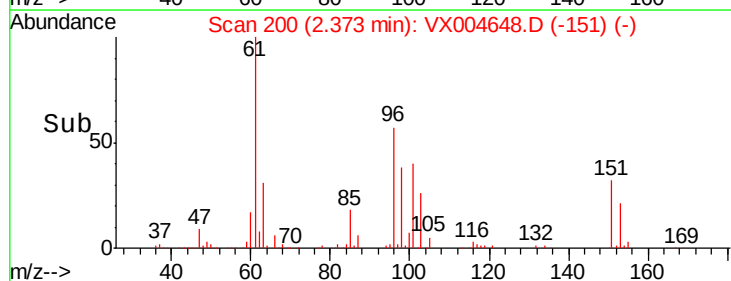
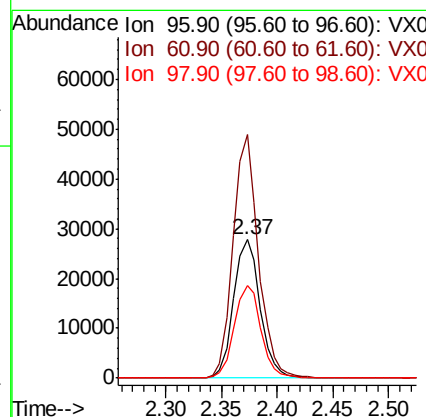
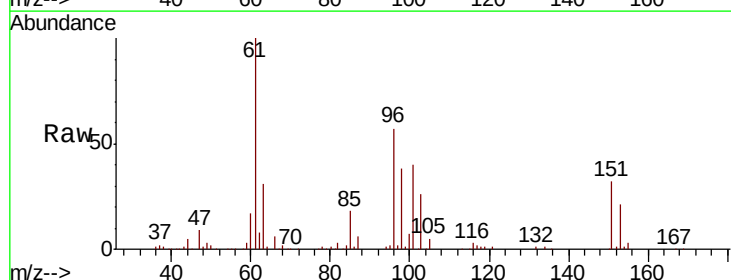
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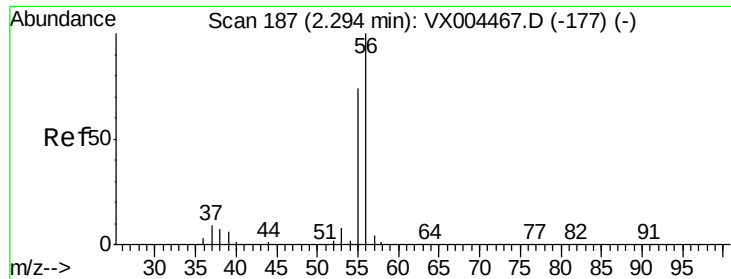
9/19/2018 12:50:59 PM



#12
1,1-Dichloroethene
Concen: 18.318 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion: 96 Resp: 46124
Ion Ratio Lower Upper
96 100
61 175.7 128.8 193.2
98 67.3 52.2 78.2





#13

Acrolein

Concen: 53.813 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 56 Resp: 15750

Ion Ratio Lower Upper

56 100

55 71.3 54.7 82.1

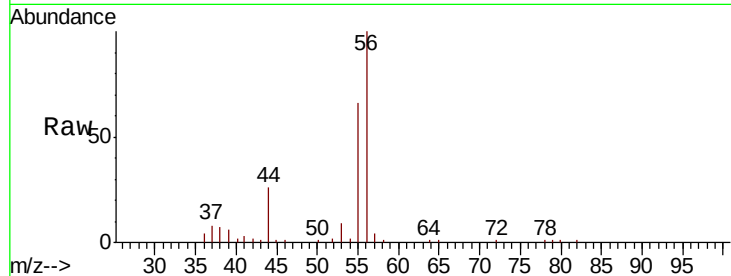
Manual Integrations

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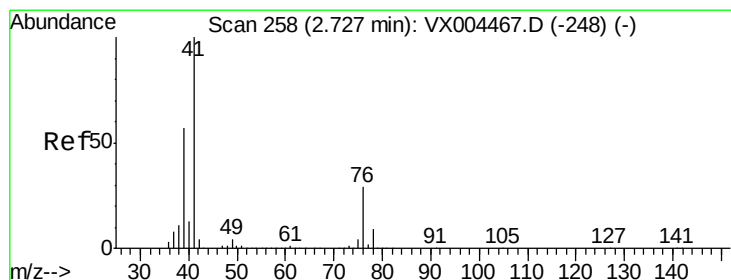
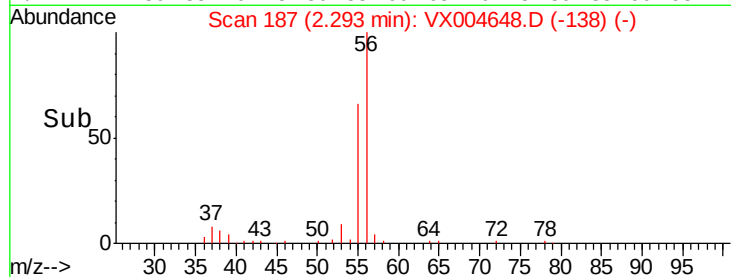
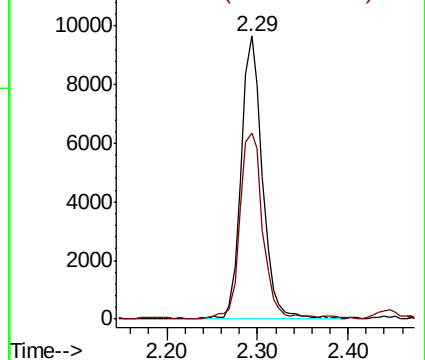
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.069 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

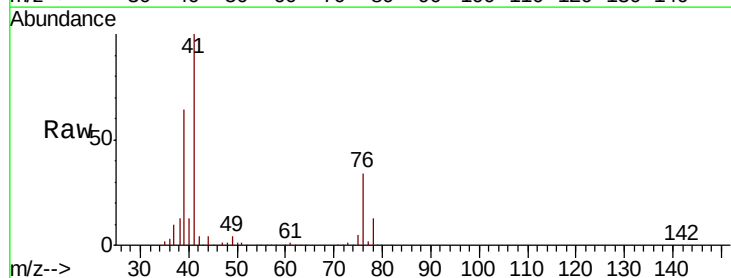
Tgt Ion: 41 Resp: 93541

Ion Ratio Lower Upper

41 100

39 57.9 48.9 73.3

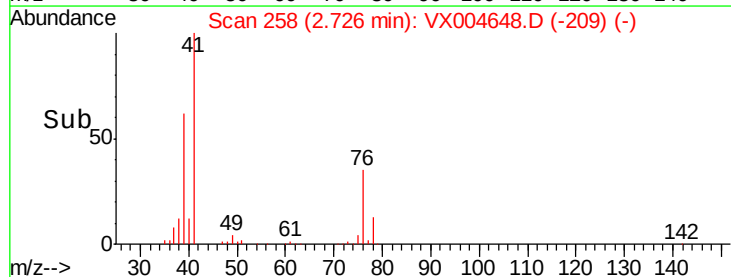
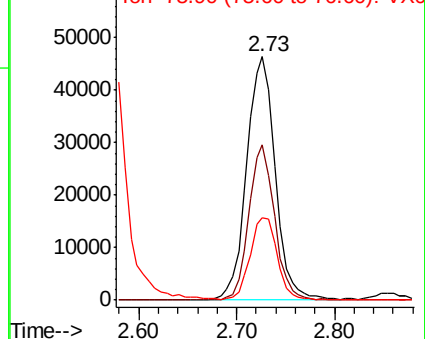
76 32.5 26.7 40.1

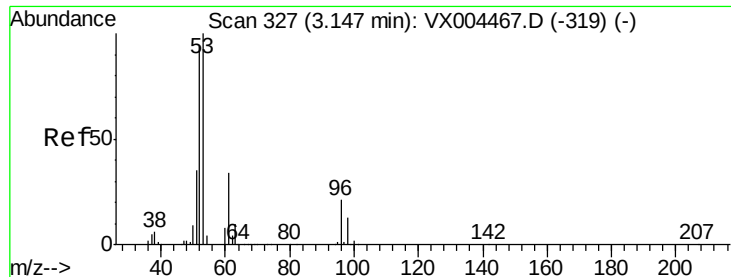


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 91.327 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

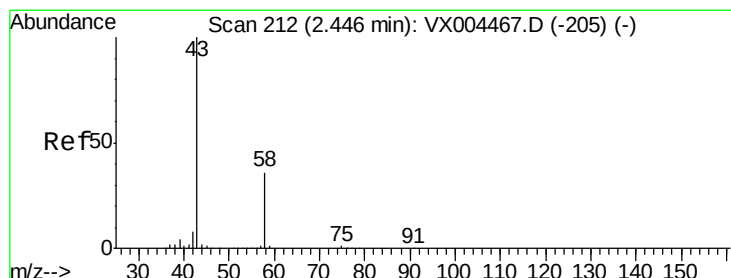
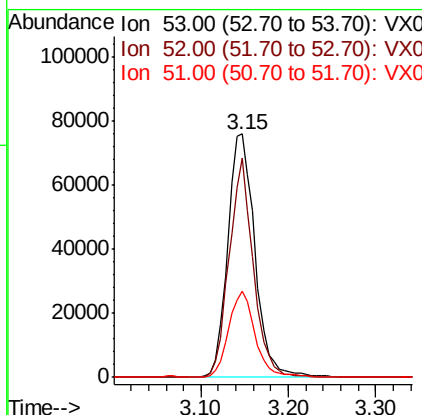
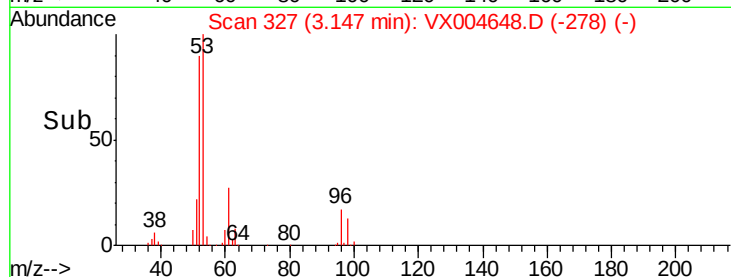
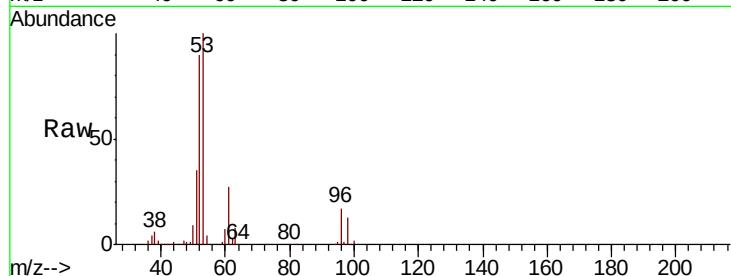
Tgt Ion:	53	Resp:	163063
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.2	97.8
51	34.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 87.047 ug/l

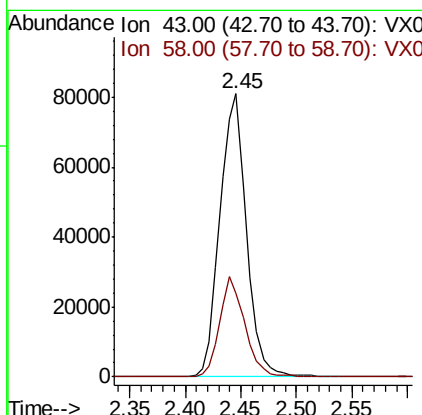
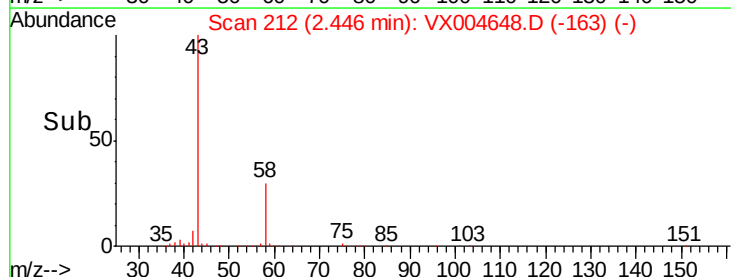
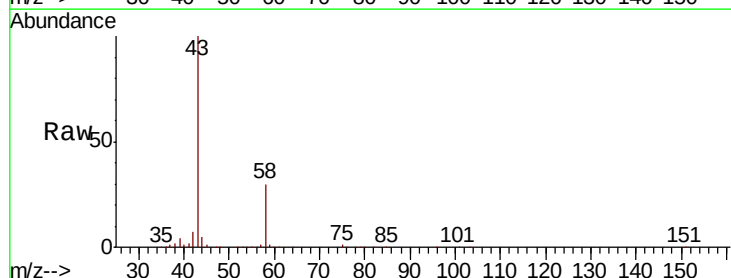
RT: 2.45 min Scan# 212

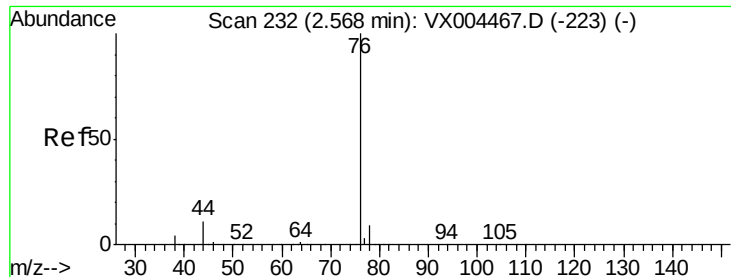
Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Tgt Ion:	43	Resp:	132016
Ion	Ratio	Lower	Upper
43	100		
58	29.7	26.2	39.4





#17

Carbon Disulfide

Concen: 17.637 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 76 Resp: 128367

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6

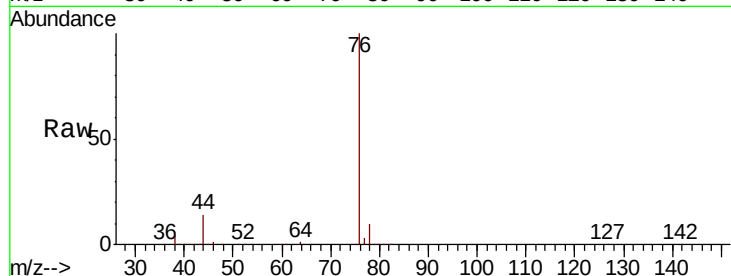
Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

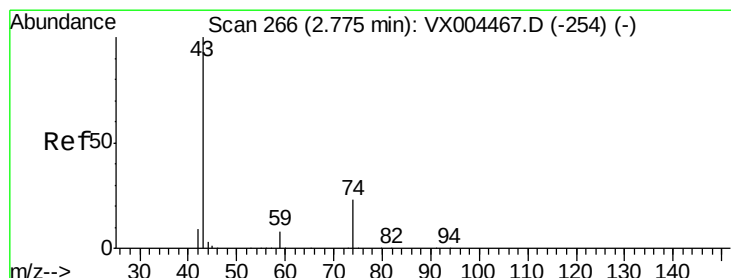
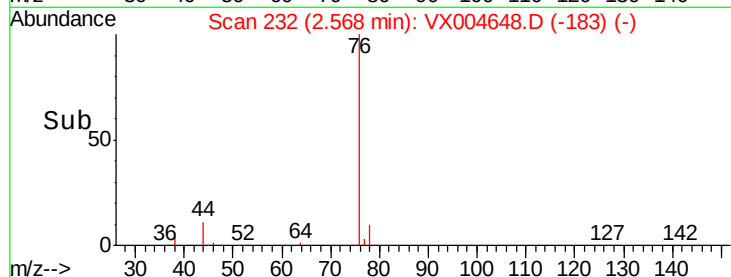
40000

20000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 18.934 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004648.D

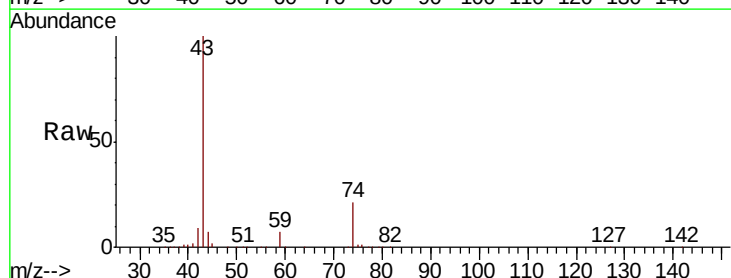
Acq: 18 Sep 2018 10:56

Tgt Ion: 43 Resp: 80562

Ion Ratio Lower Upper

43 100

74 23.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

30000

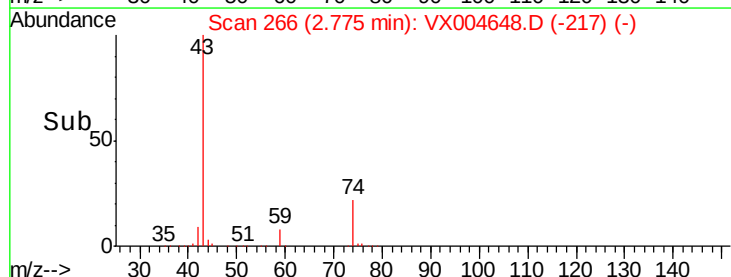
20000

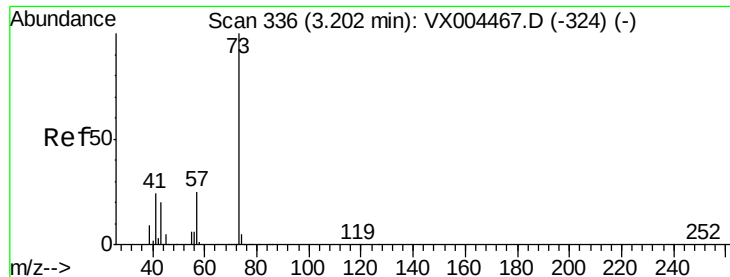
10000

0

Time-->

2.70 2.75 2.80 2.85





#19

Methyl tert-butyl Ether
Concen: 18.576 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

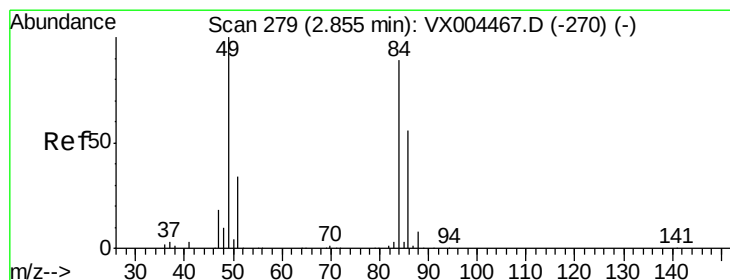
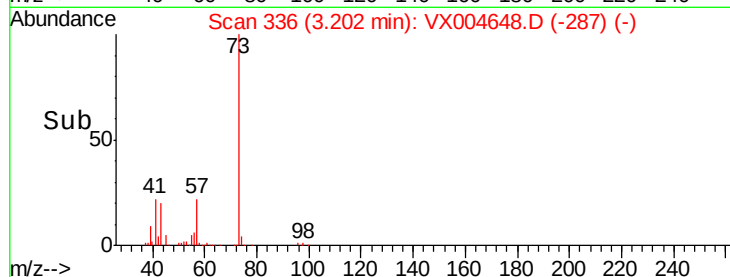
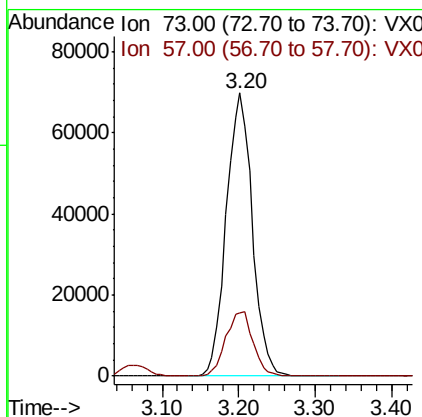
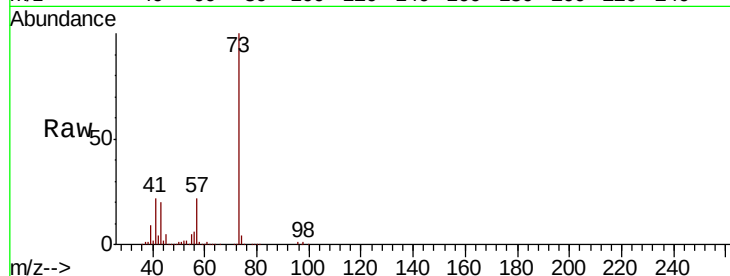
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion: 73 Resp: 164119
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7

Manual Integrations
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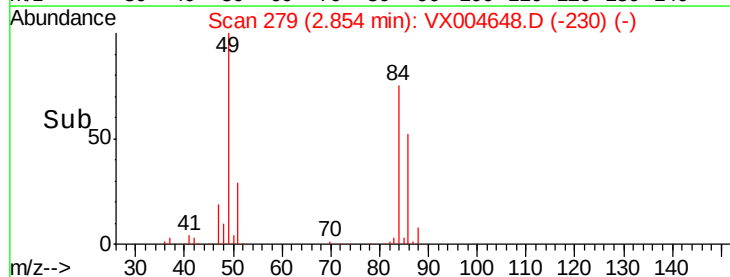
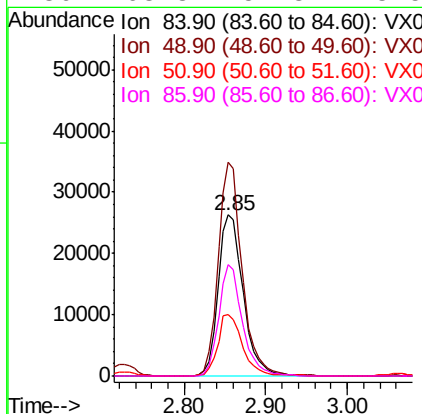
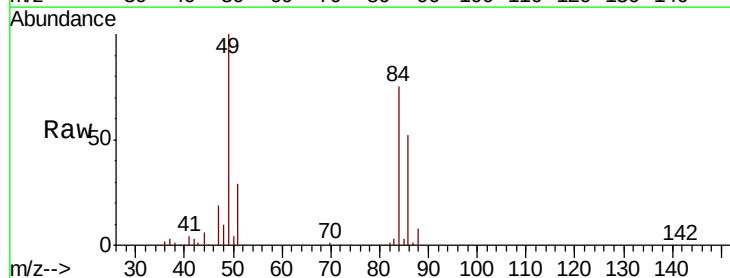
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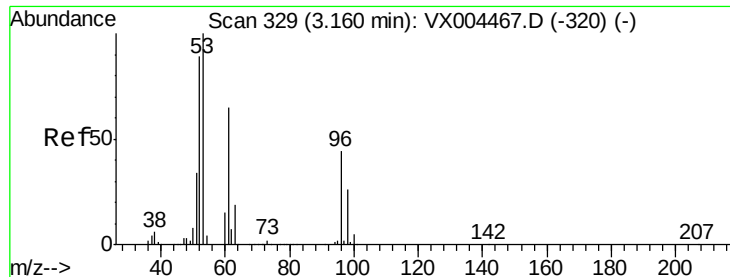


#20

Methylene Chloride
Concen: 18.052 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion: 84 Resp: 56162
Ion Ratio Lower Upper
84 100
49 132.5 101.2 151.8
51 38.1 29.5 44.3
86 68.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.840 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

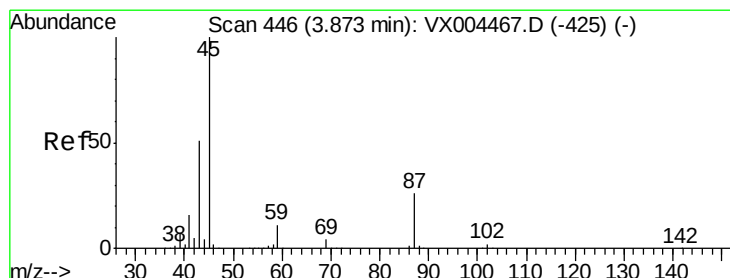
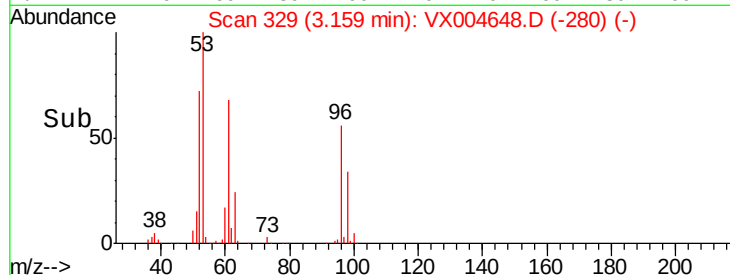
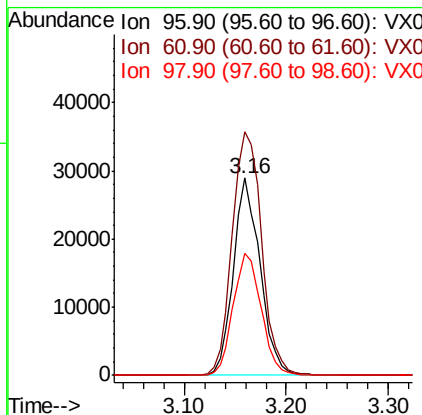
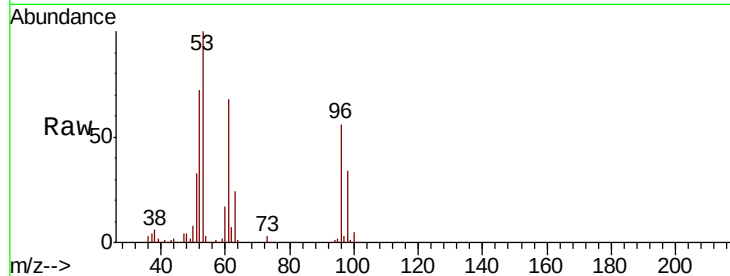
VX0918MBS01

Tgt Ion:	96	Resp:	52422
Ion	Ratio	Lower	Upper
96	100		
61	123.3	113.8	170.6
98	61.6	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.944 ug/l

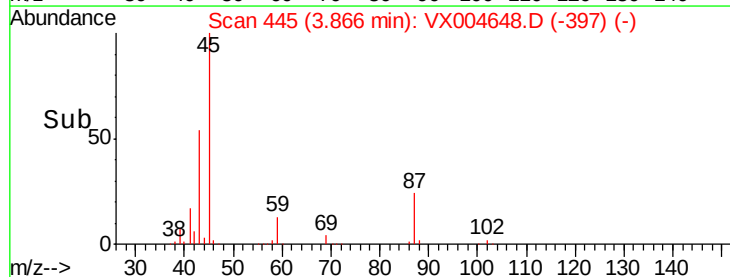
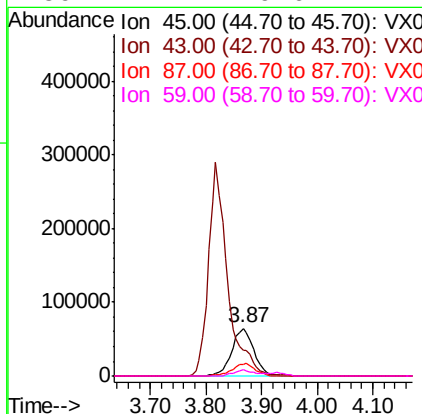
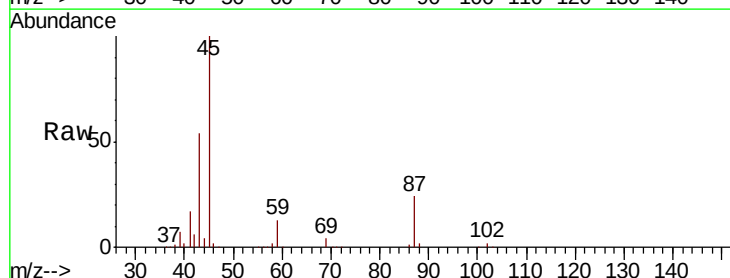
RT: 3.87 min Scan# 445

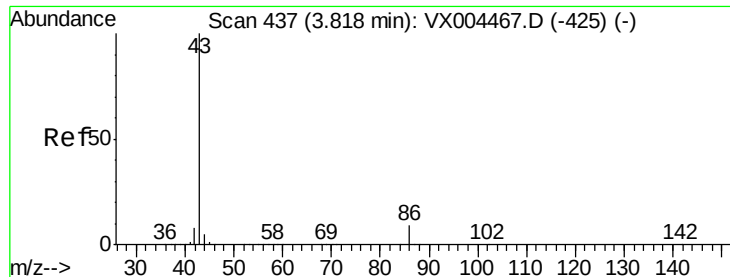
Delta R.T. -0.01 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Tgt Ion:	45	Resp:	176627
Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.8	64.2
87	24.2	22.6	34.0
59	12.7	9.6	14.4





#23

Vinyl Acetate

Concen: 92.152 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 43 Resp: 695296

Ion Ratio Lower Upper

43 100

86 9.5 8.9 13.3

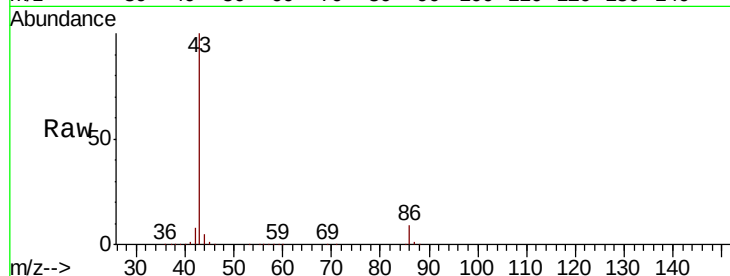
Manual Integrations

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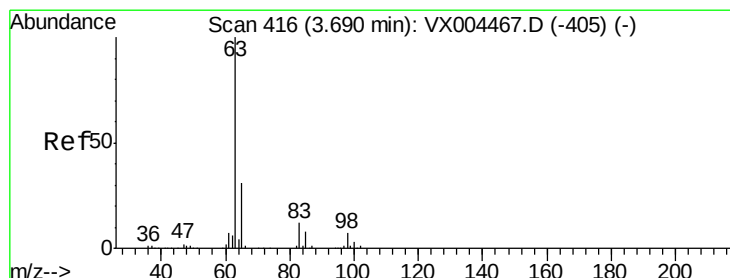
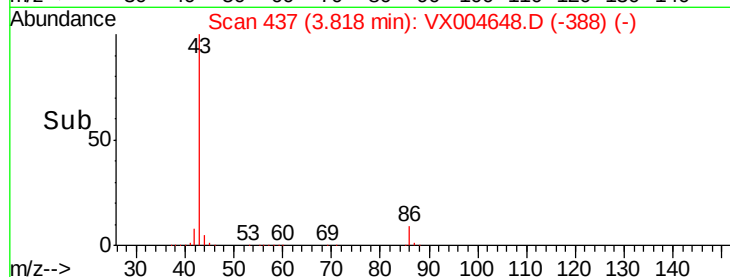
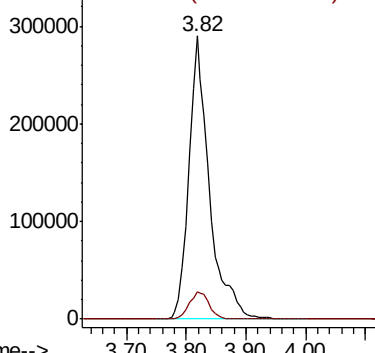
9/19/2018 12:50:59 PM

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.386 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

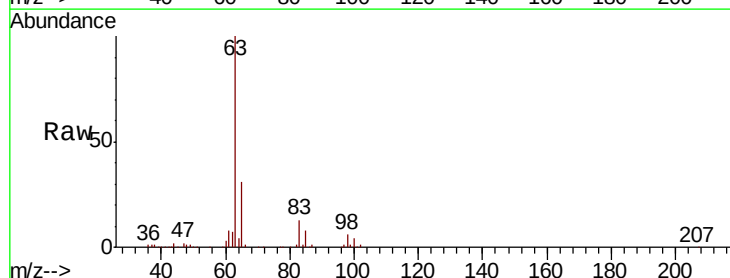
Tgt Ion: 63 Resp: 102048

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

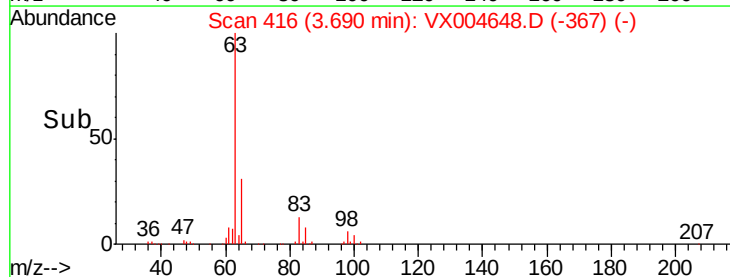
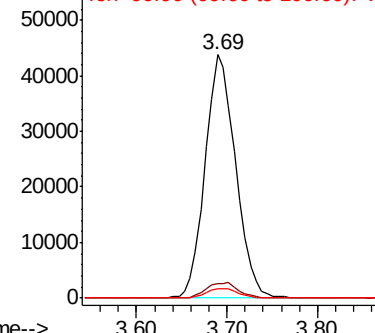
100 3.9 2.4 7.1

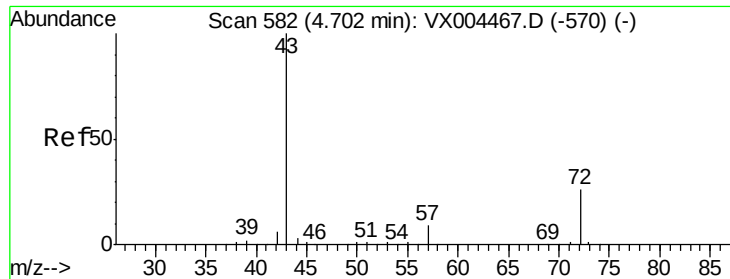


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 81.948 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 43 Resp: 197797

Ion Ratio Lower Upper

43 100

72 27.1 22.0 33.0

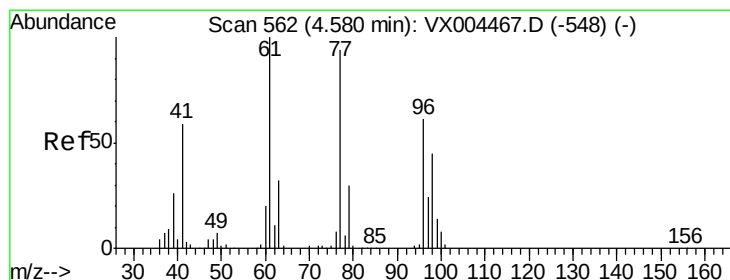
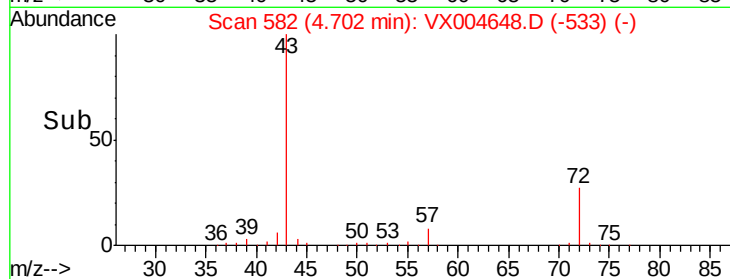
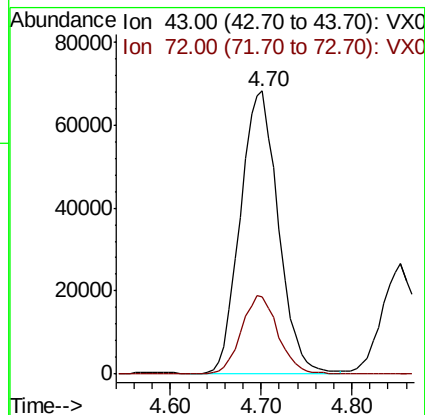
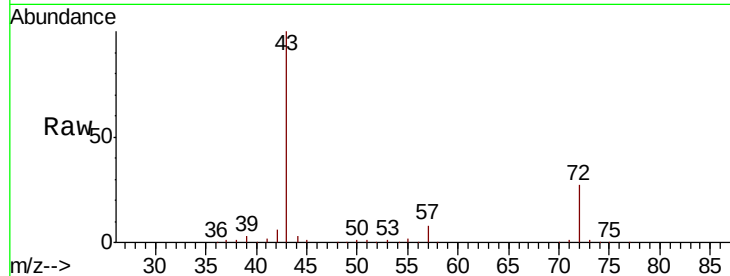
Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.629 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004648.D

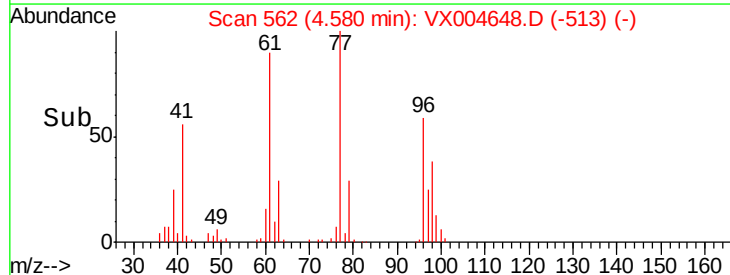
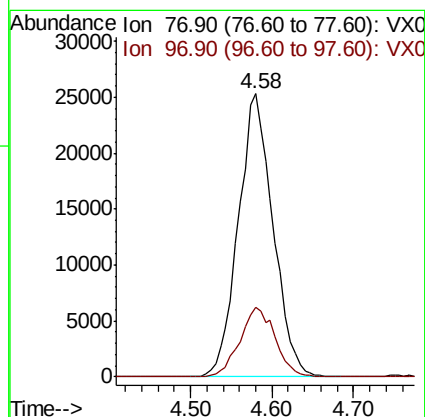
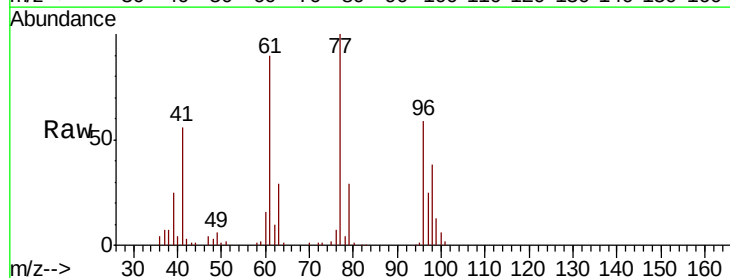
Acq: 18 Sep 2018 10:56

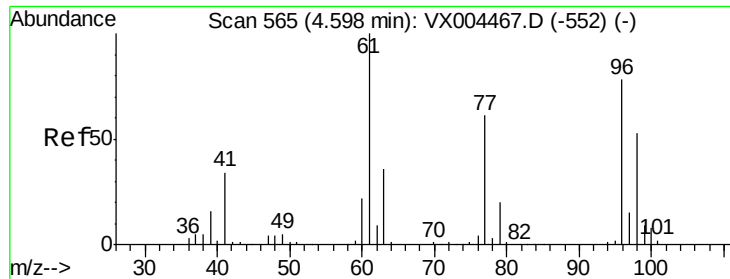
Tgt Ion: 77 Resp: 74584

Ion Ratio Lower Upper

77 100

97 24.9 11.7 35.0





#27

cis-1,2-Dichloroethene
Concen: 18.792 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

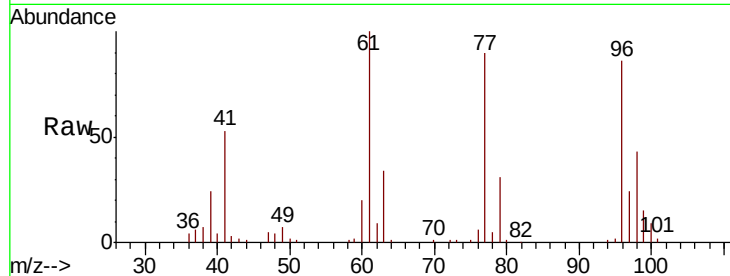
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	58368		
61	141.3	0.0	282.6	
98	62.4	0.0	130.2	

Manual Integrations
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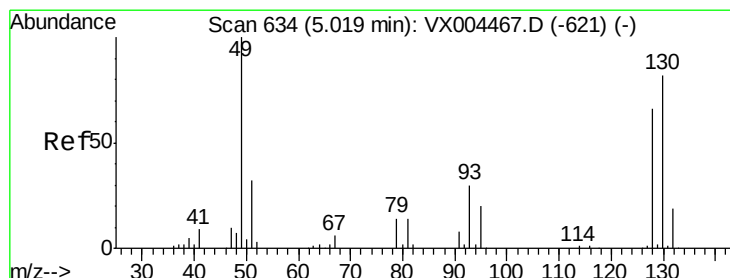
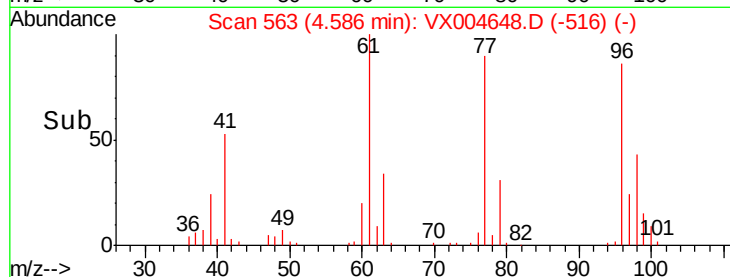
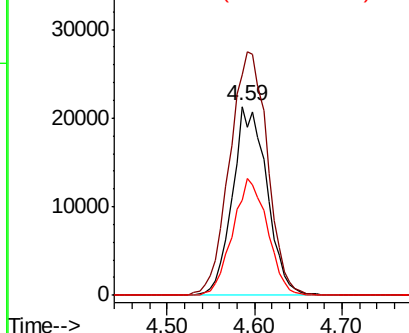


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

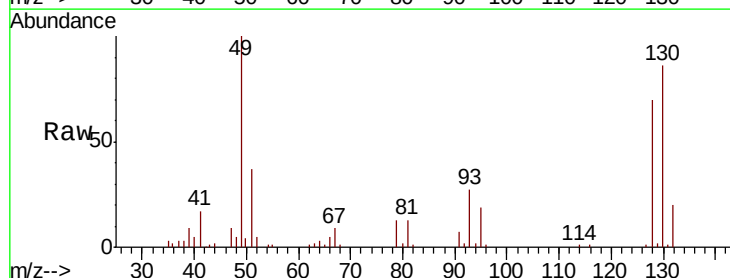
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 17.749 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42737		
129	2.3	0.0	4.2	
130	84.5	67.5	101.3	

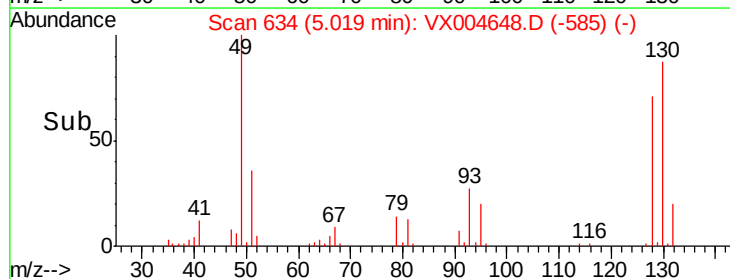
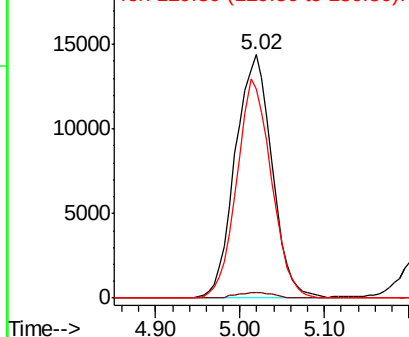


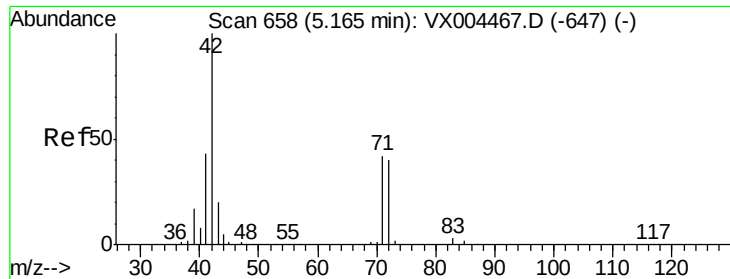
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29
Tetrahydrofuran
Concen: 87.904 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.02 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

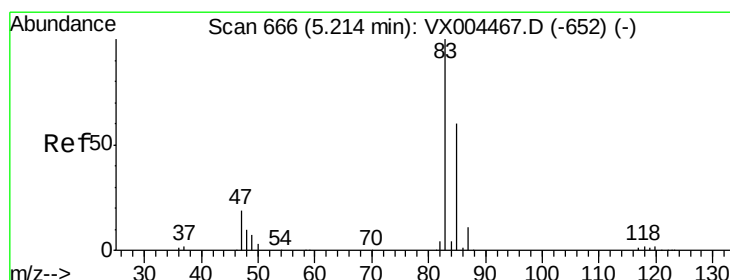
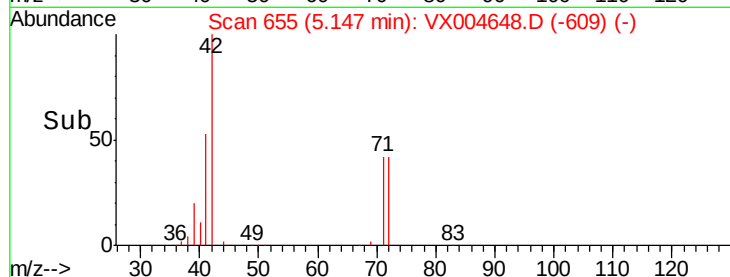
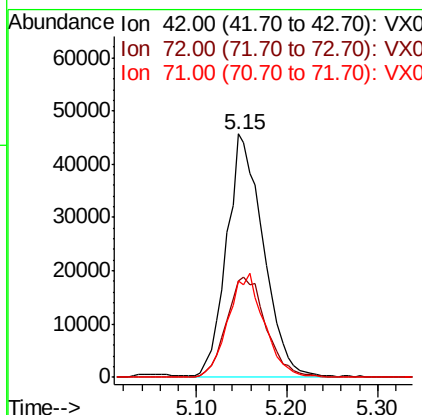
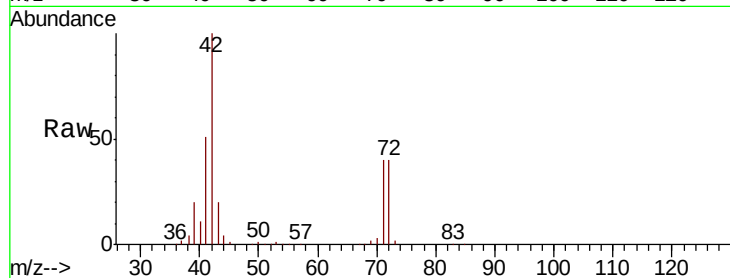
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.4	56.0
71	42.2	34.5	51.7

Manual Integrations
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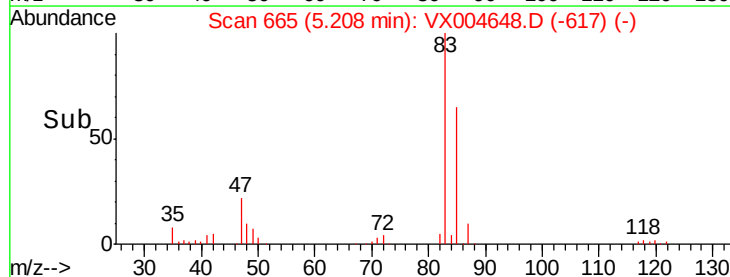
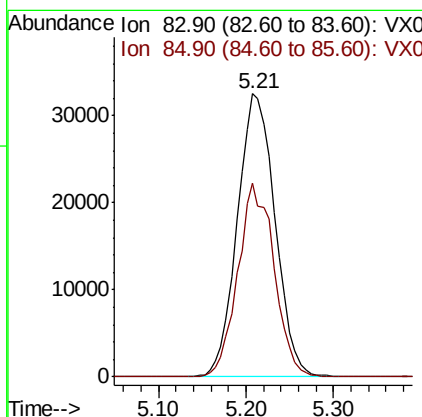
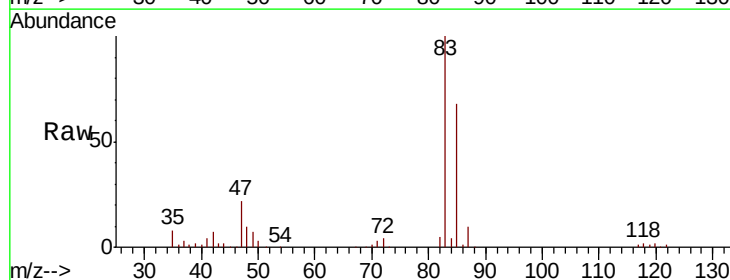
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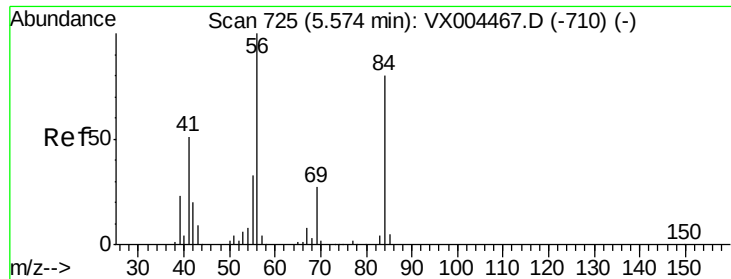
9/19/2018 12:50:59 PM



#30
Chloroform
Concen: 18.982 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	52.6	79.0





#31

Cyclohexane

Concen: 18.352 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 56 Resp: 82489

Ion Ratio Lower Upper

56 100

69 28.4 25.4 38.2

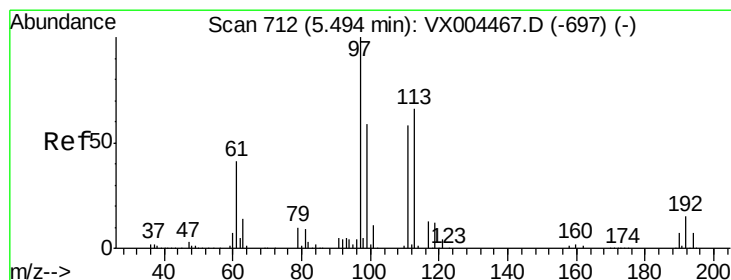
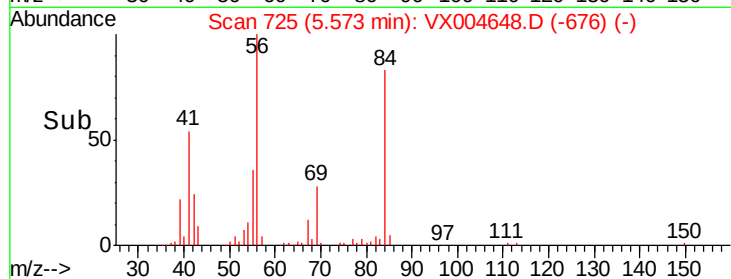
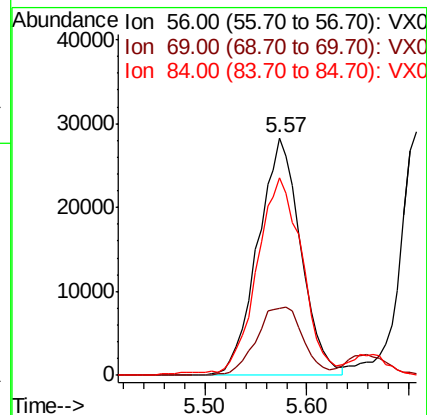
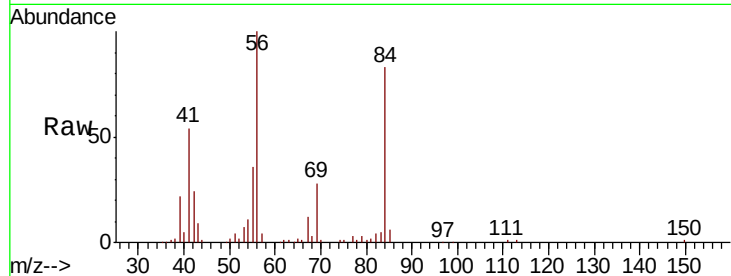
84 81.8 71.4 107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.988 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

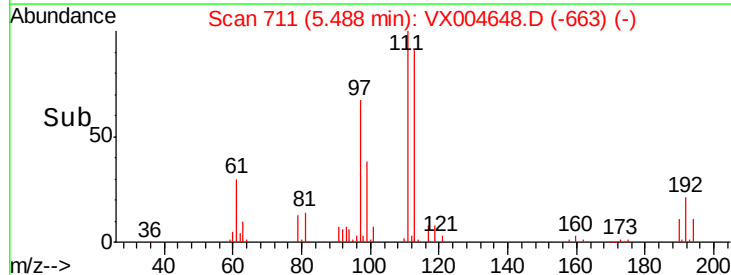
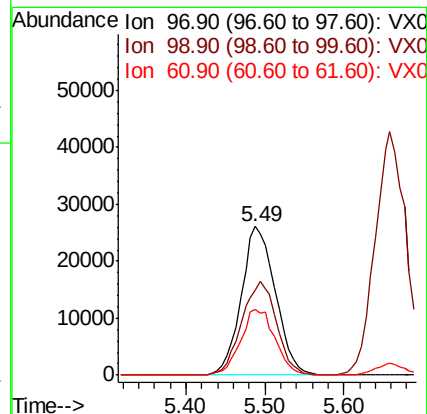
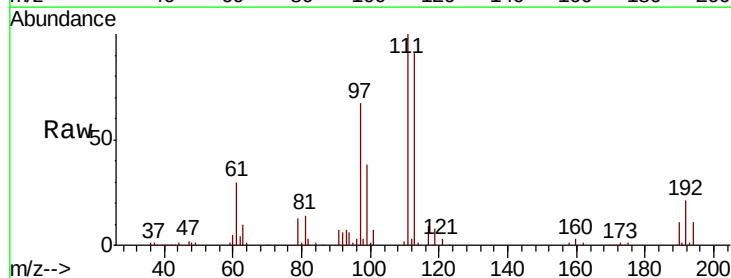
Tgt Ion: 97 Resp: 78596

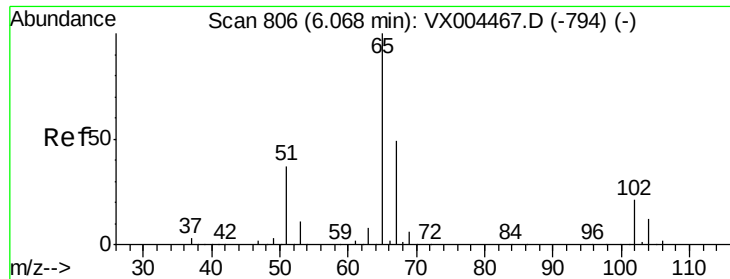
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 44.7 34.9 52.3





#33
 1,2-Dichloroethane-d4
 Concen: 46.472 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

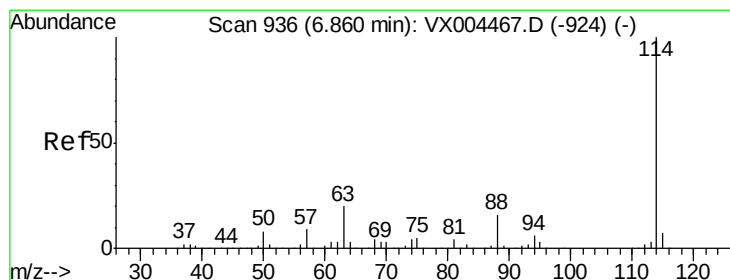
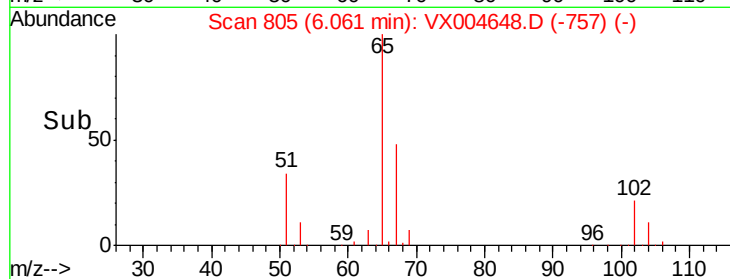
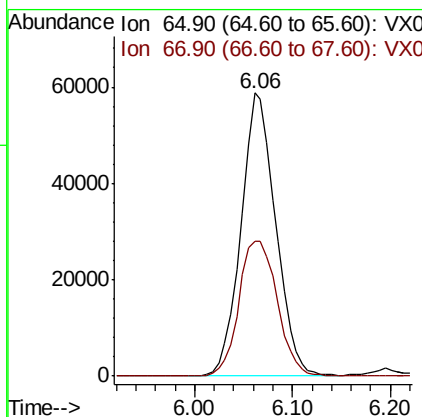
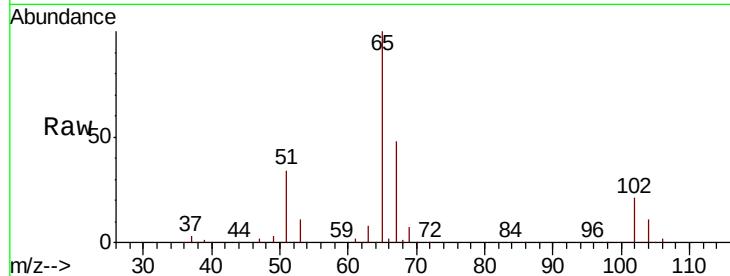
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion: 65 Resp: 144402
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8

Manual Integrations
 APPROVED

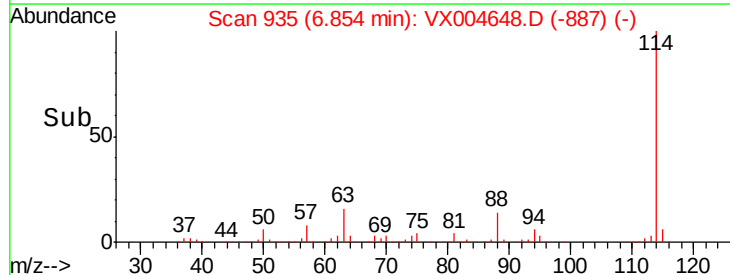
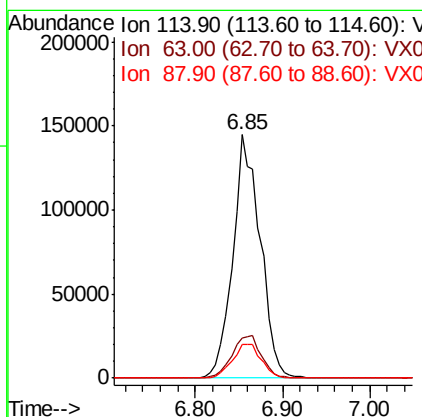
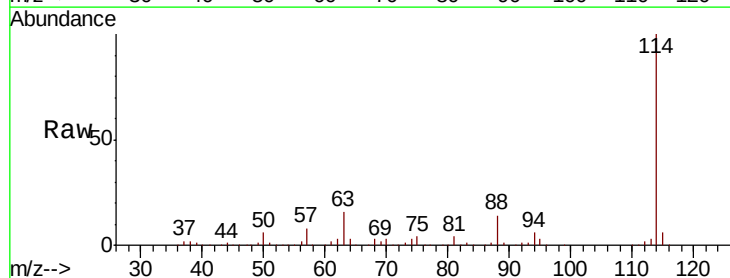
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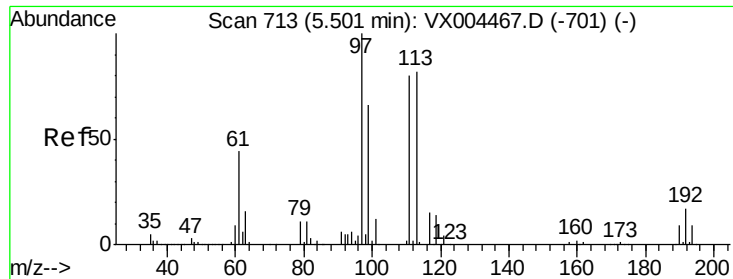
9/19/2018 12:50:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion: 114 Resp: 314613
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 39.0
 88 13.7 0.0 30.4





#35
 Dibromofluoromethane
 Concen: 44.769 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

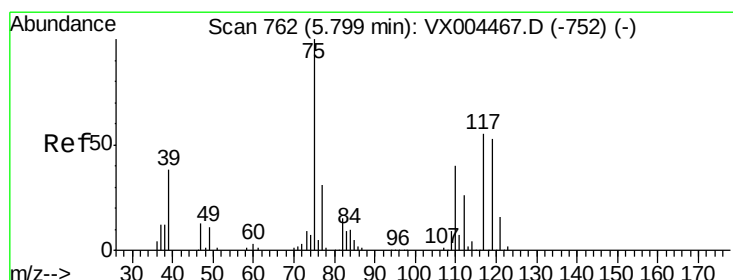
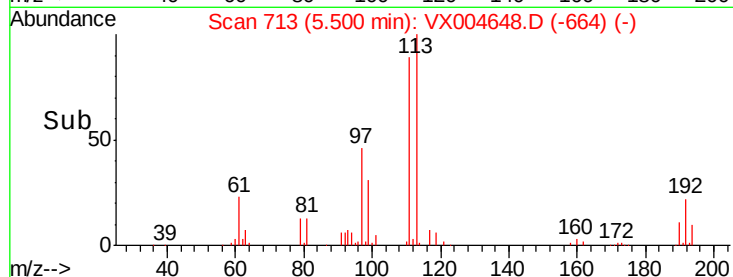
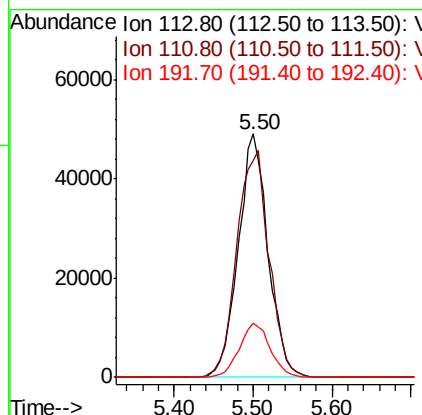
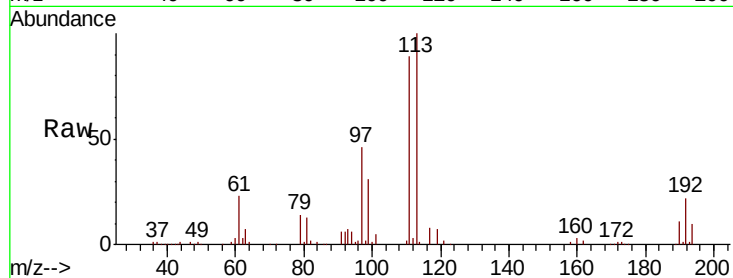
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	128889		
111	100.7	82.4	123.6	
192	23.1	19.4	29.2	

Manual Integrations
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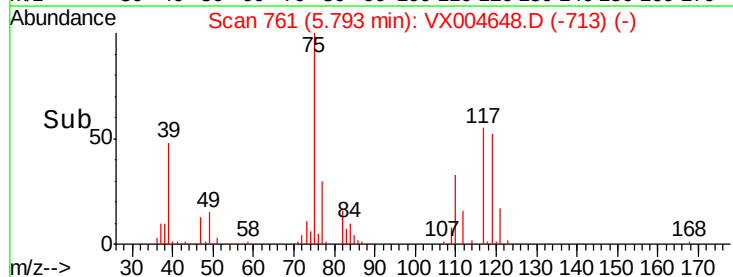
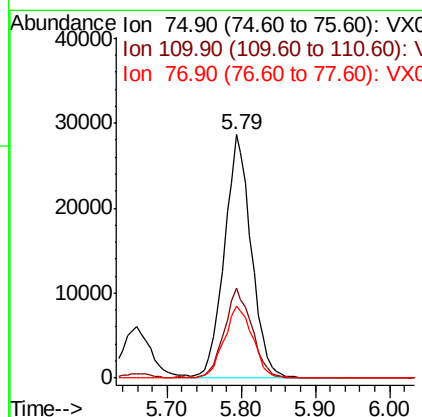
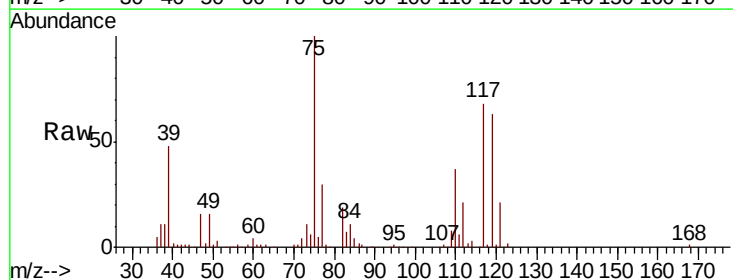
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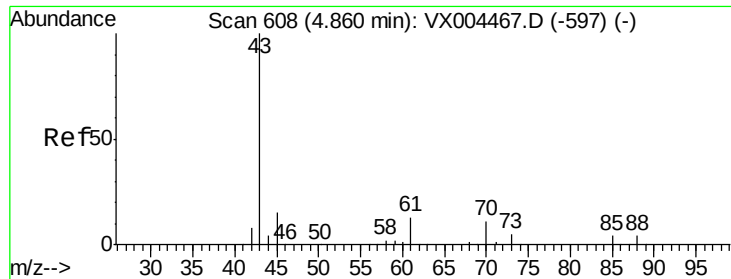
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#36
 1,1-Dichloropropene
 Concen: 18.919 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72264		
110	37.6	18.0	54.0	
77	31.3	24.6	36.8	





#37
Ethyl Acetate
Concen: 17.297 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

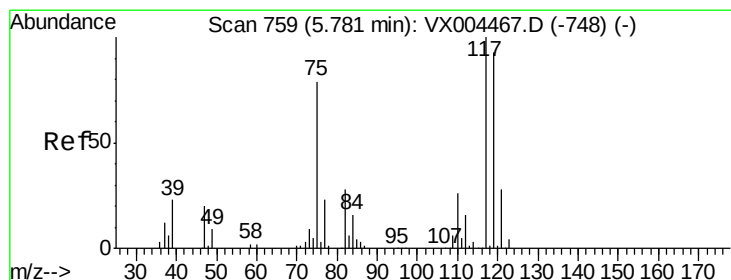
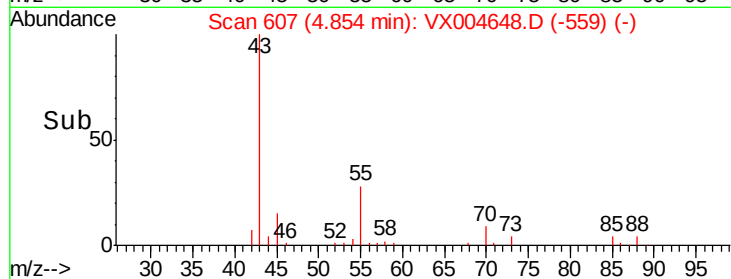
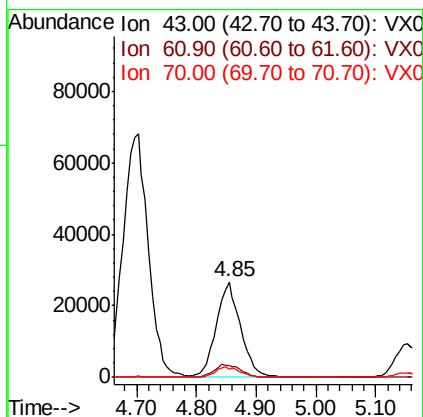
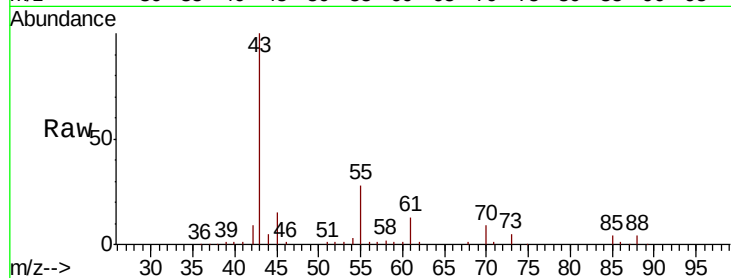
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.2	9.0	13.6

Manual Integrations
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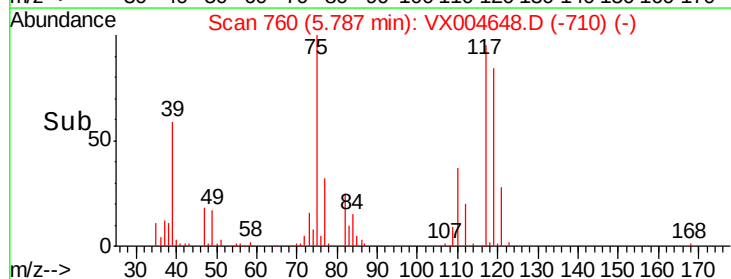
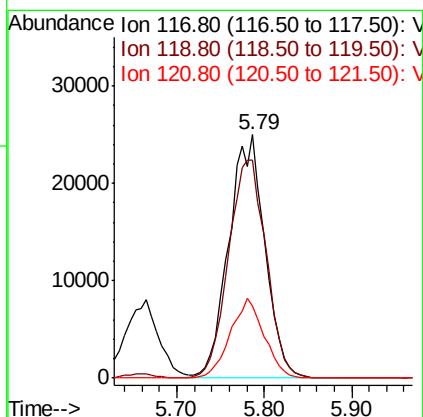
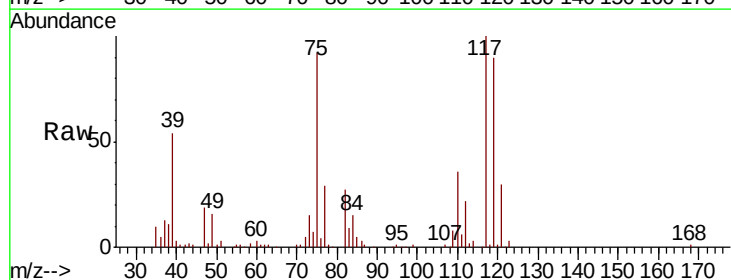
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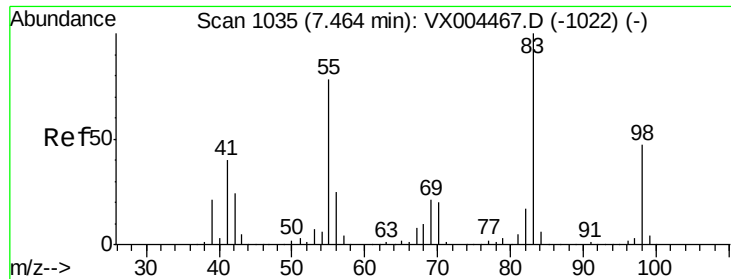
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#38
Carbon Tetrachloride
Concen: 19.215 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	78.8	118.2
121	29.7	24.9	37.3





#39
Methylcyclohexane
Concen: 19.458 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

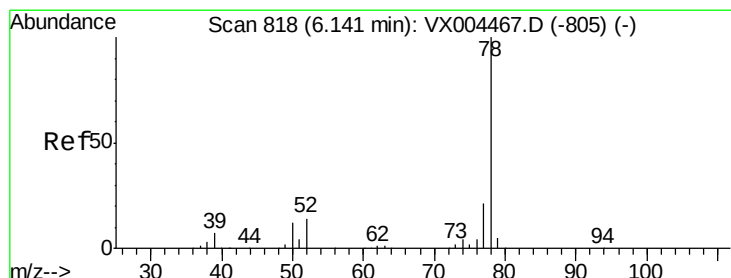
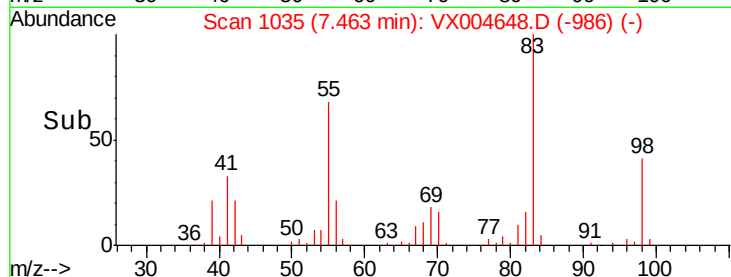
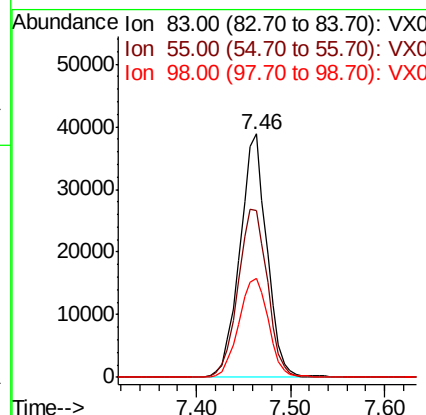
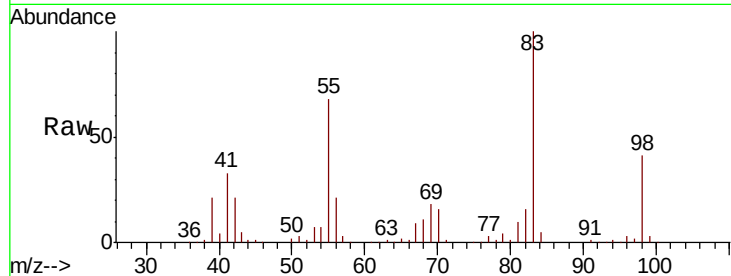
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	68.3	61.0	91.4
98	40.8	39.6	59.4

Manual Integrations
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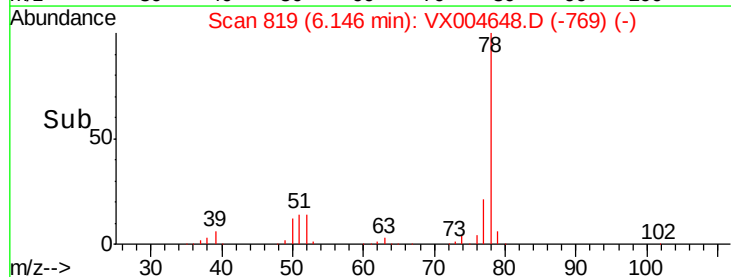
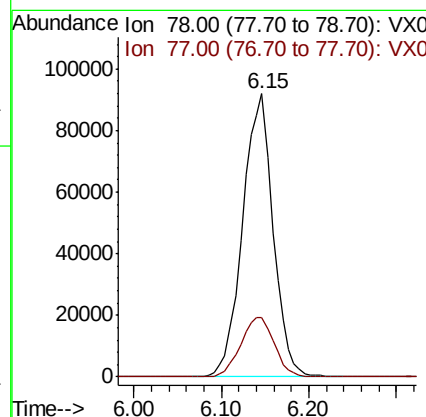
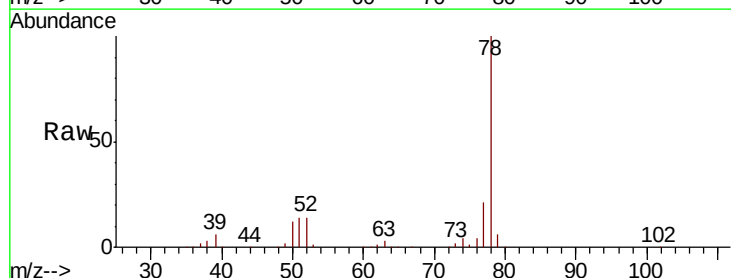
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9/19/2018 12:50:59 PM

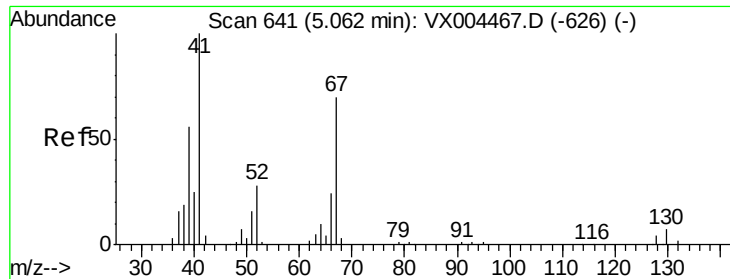
9/19/2018 12:50:59 PM



#40
Benzene
Concen: 19.603 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	21.0	19.0	28.4





#41
Methacrylonitrile
Concen: 17.725 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

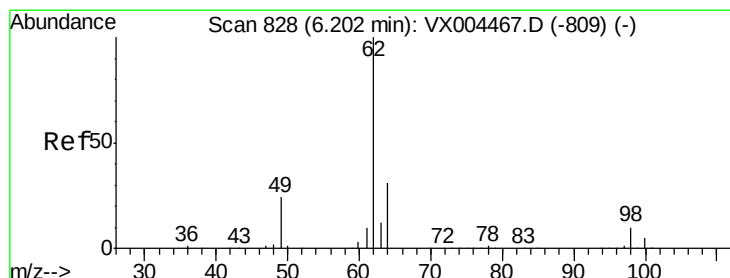
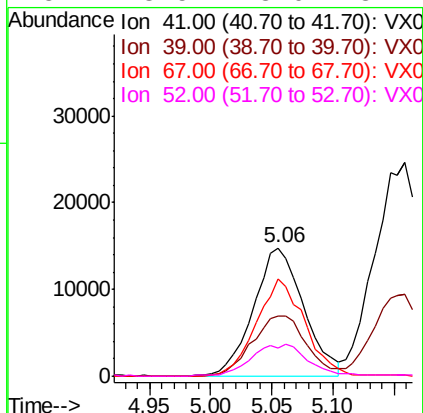
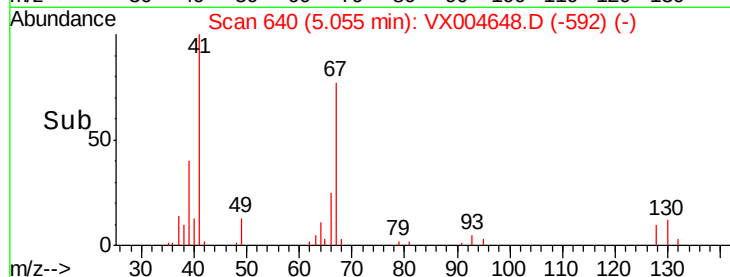
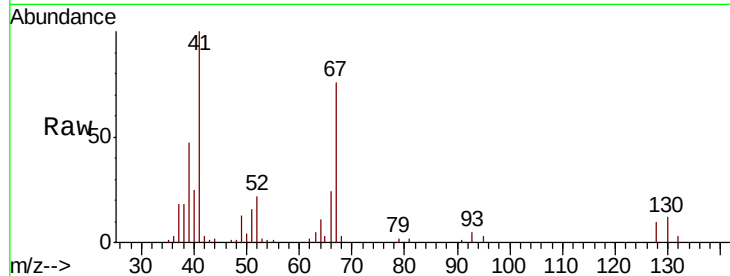
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.6	42.4	63.6
67	73.4	59.2	88.8
52	28.5	23.0	34.4

Manual Integrations
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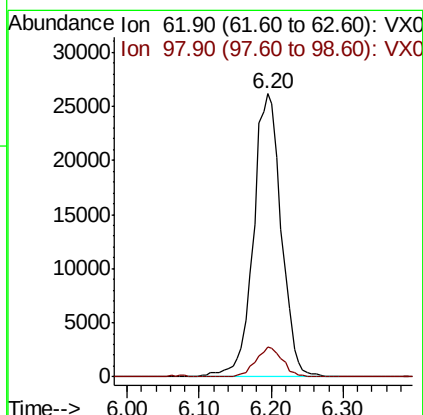
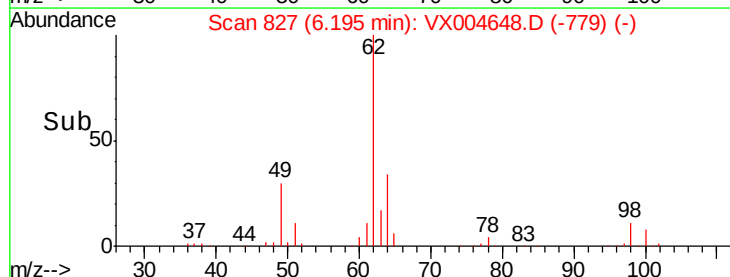
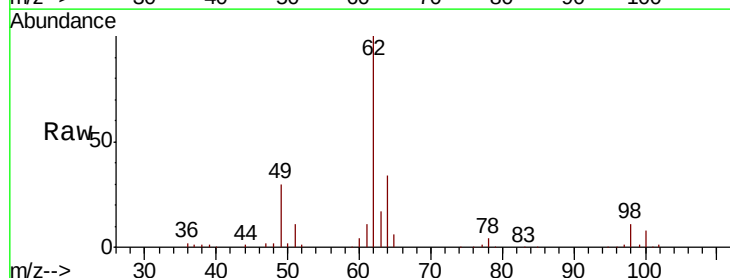
MMDadoda
9/19/2018 12:50:59 PM

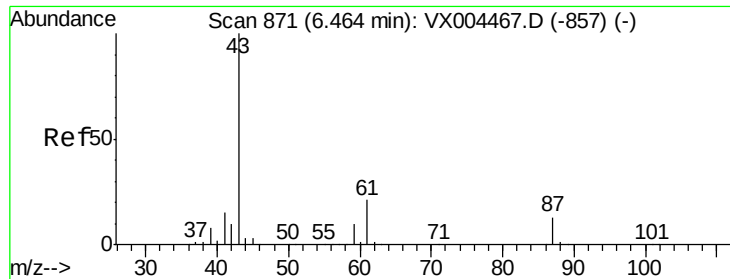
9/19/2018 12:50:59 PM



#42
1,2-Dichloroethane
Concen: 18.675 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 17.127 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

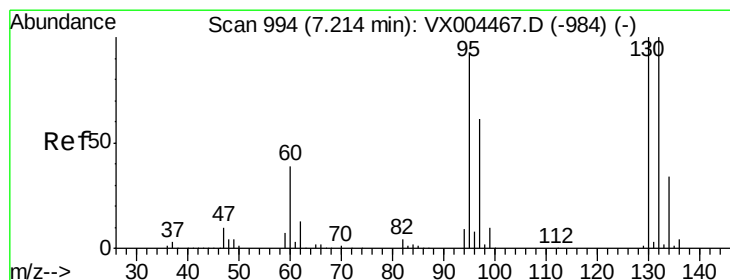
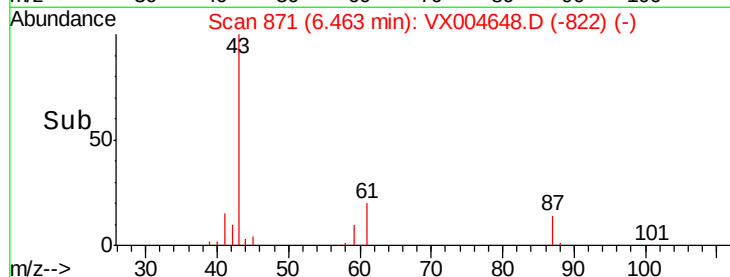
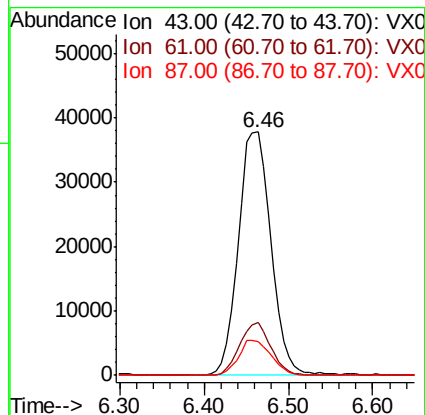
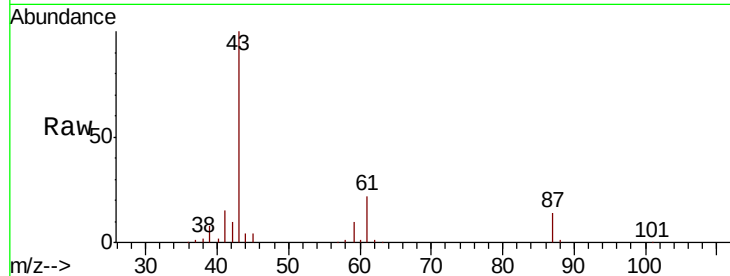
Tgt Ion:	43	Resp:	98819
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.0	25.4
87	14.4	11.4	17.2

Manual Integrations
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9/19/2018 12:50:59 PM



#44

Trichloroethene

Concen: 19.936 ug/l

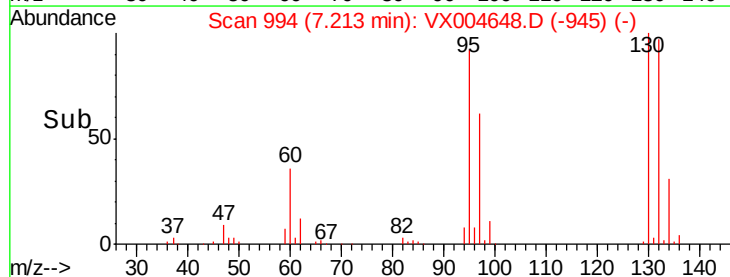
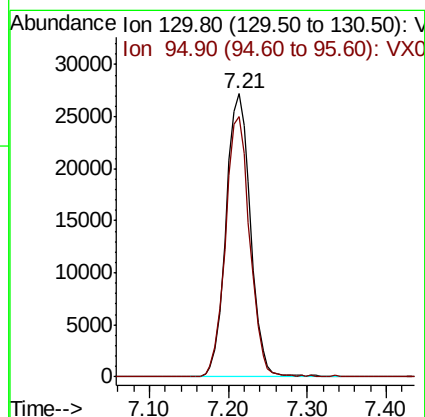
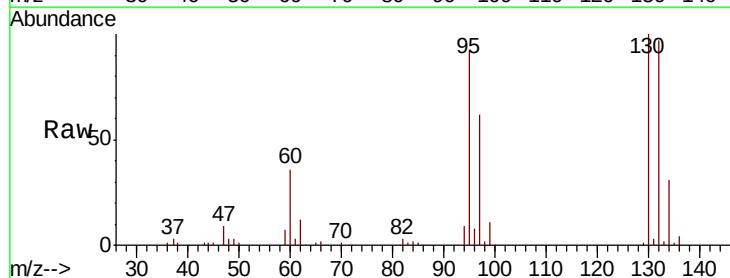
RT: 7.21 min Scan# 994

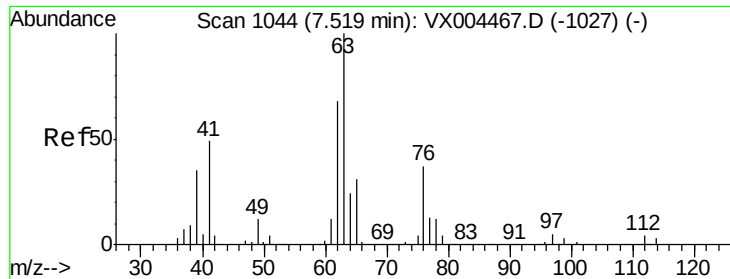
Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Tgt Ion:	130	Resp:	58697
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	181.6





#45
 1,2-Dichloropropane
 Concen: 19.126 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

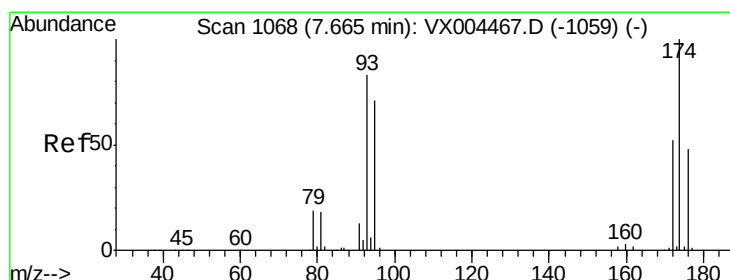
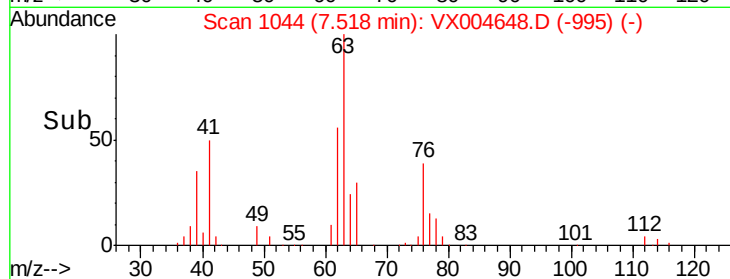
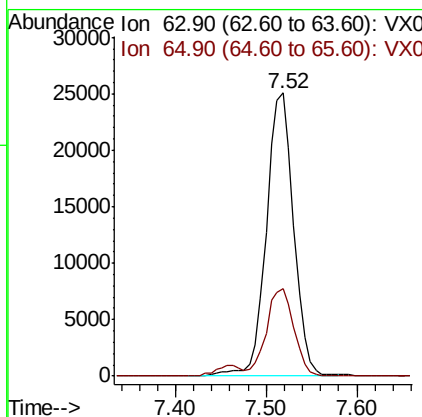
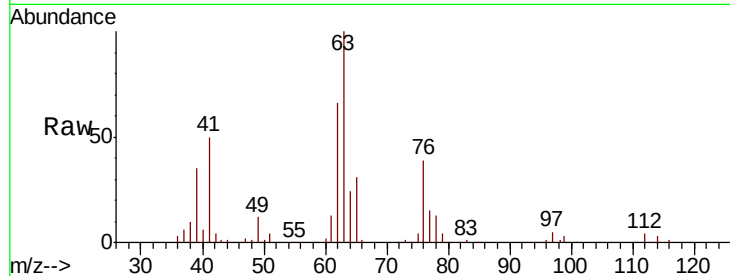
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion: 63 Resp: 52157
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5

Manual Integrations
 APPROVED

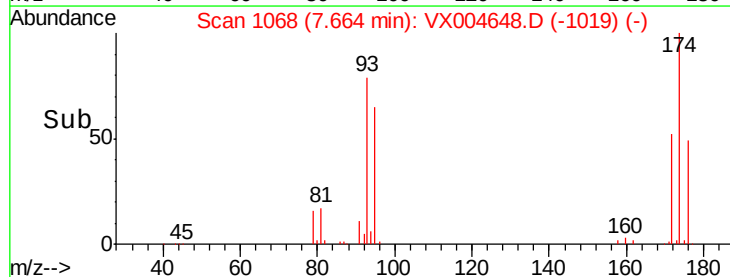
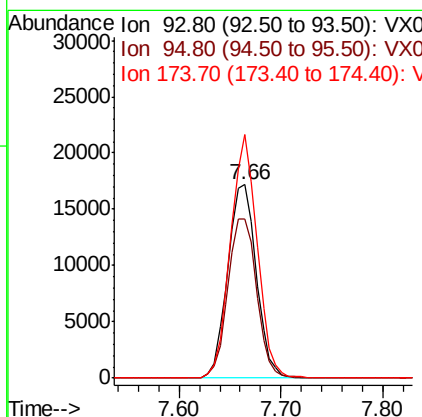
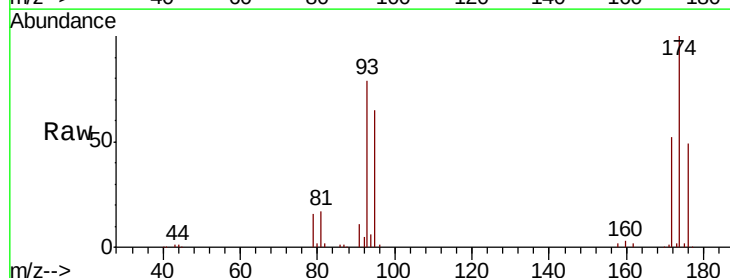
MMDadoda
 9/19/2018 12:50:59 PM

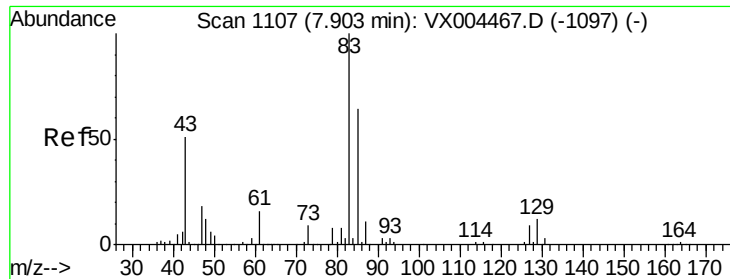
9/19/2018 12:50:59 PM



#46
 Dibromomethane
 Concen: 19.362 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion: 93 Resp: 33356
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 117.2 94.2 141.4





#47

Bromodichloromethane

Concen: 18.756 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

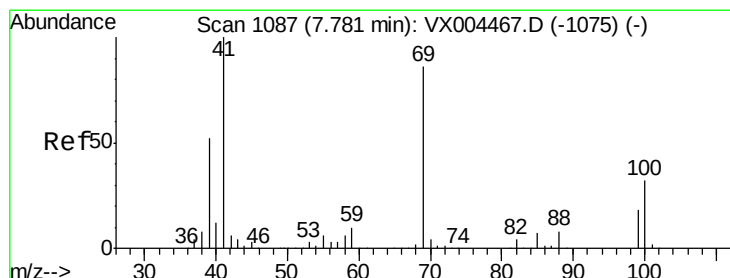
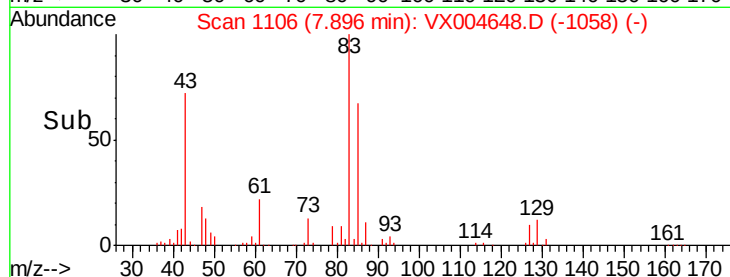
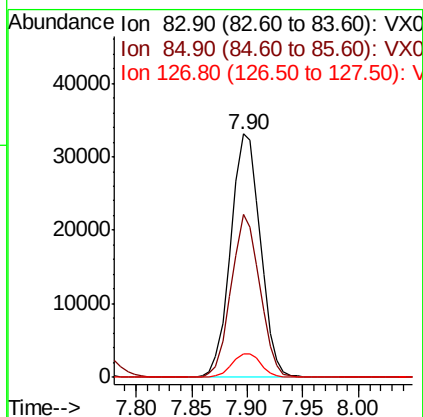
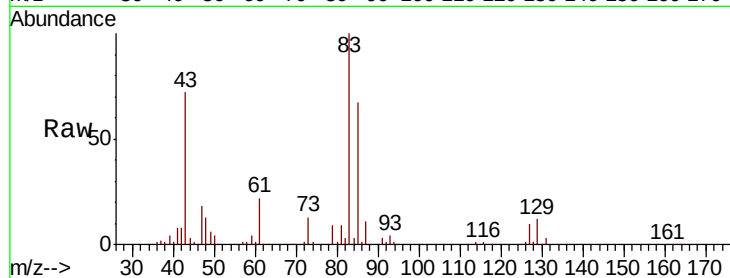
Tgt Ion:	83	Resp:	61107
Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.9	76.3
127	9.5	7.3	10.9

Manual Integrations
APPROVED

MMDadoda

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9/19/2018 12:50:59 PM



#48

Methyl methacrylate

Concen: 17.874 ug/l

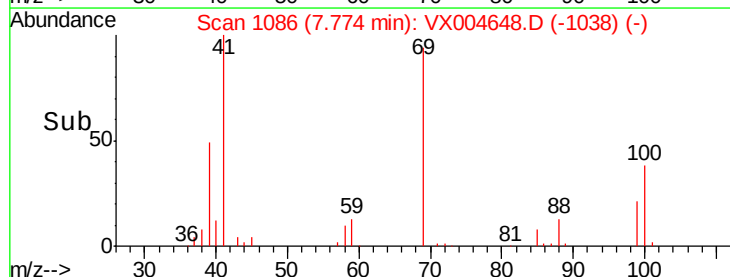
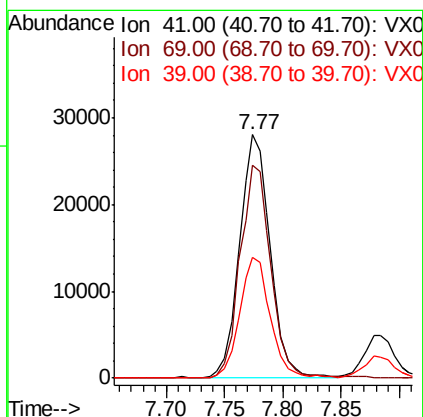
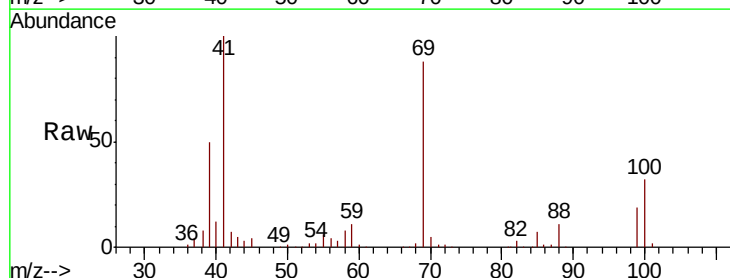
RT: 7.77 min Scan# 1086

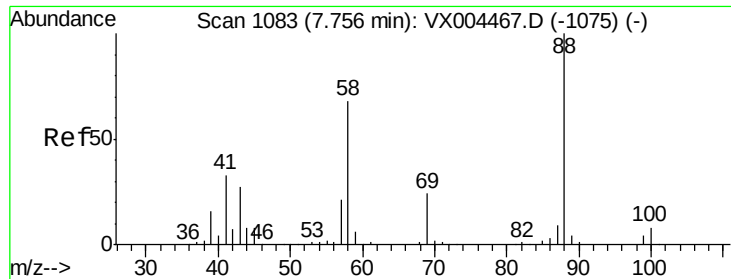
Delta R.T. -0.01 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Tgt Ion:	41	Resp:	51038
Ion	Ratio	Lower	Upper
41	100		
69	88.9	70.2	105.4
39	50.2	42.7	64.1





#49
1,4-Dioxane
Concen: 368.798 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

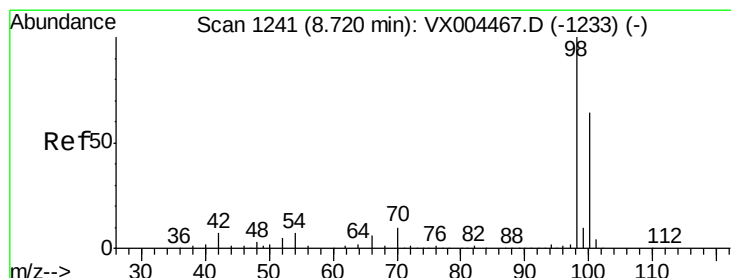
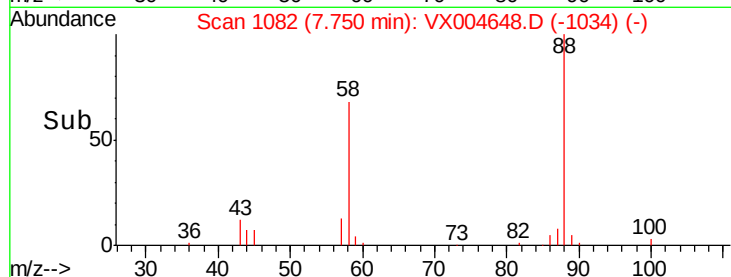
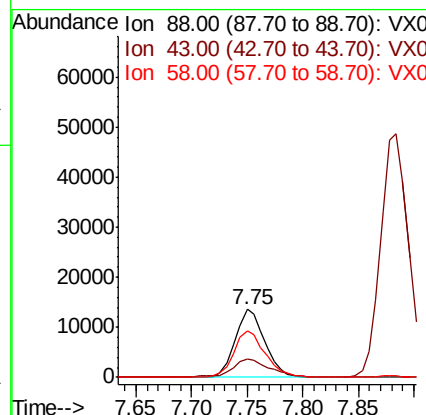
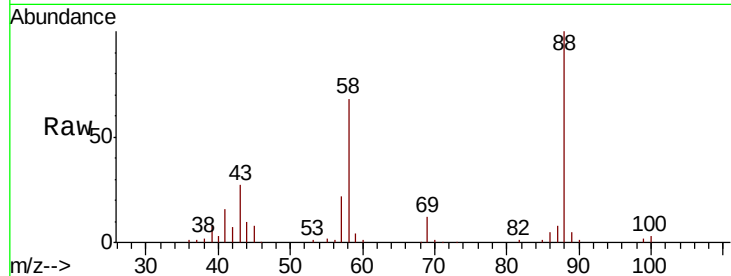
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	24.7	37.1
58	72.8	55.3	82.9

Manual Integrations
APPROVED

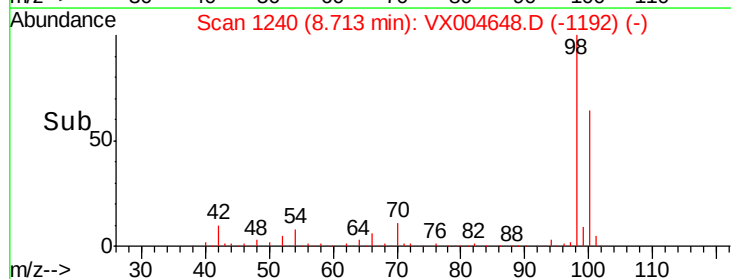
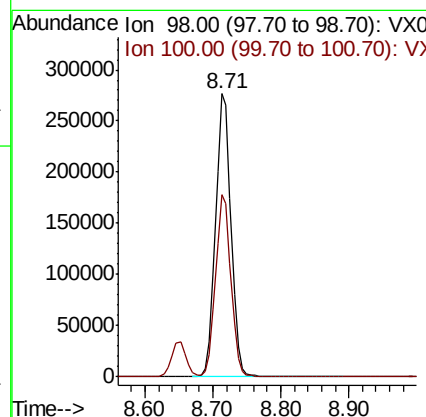
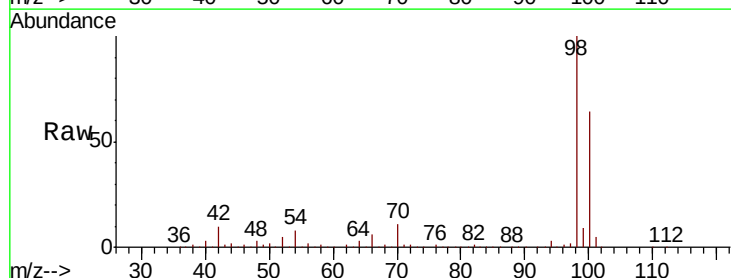
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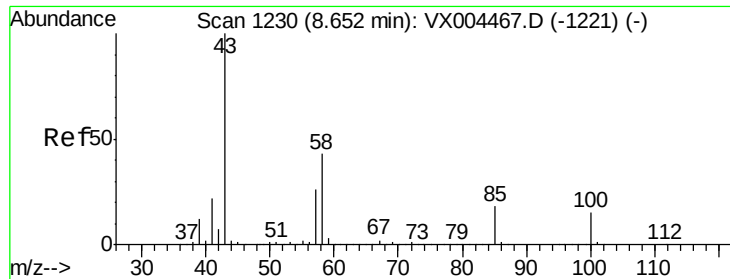
9/19/2018 12:50:59 PM



#50
Toluene-d8
Concen: 45.128 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.9	79.3





#51
4-Methyl-2-Pentanone
Concen: 82.742 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

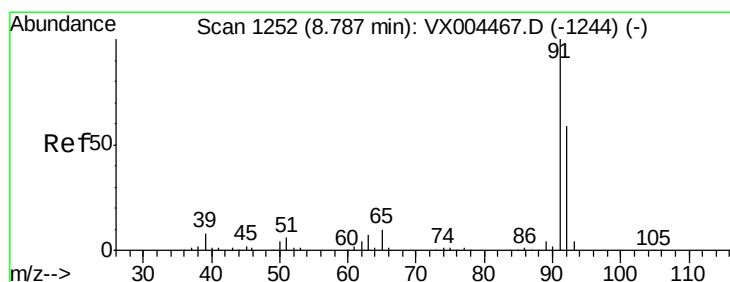
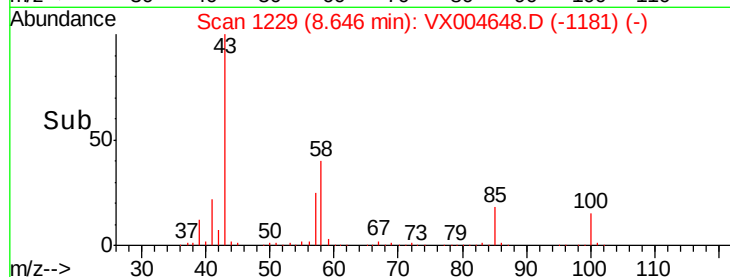
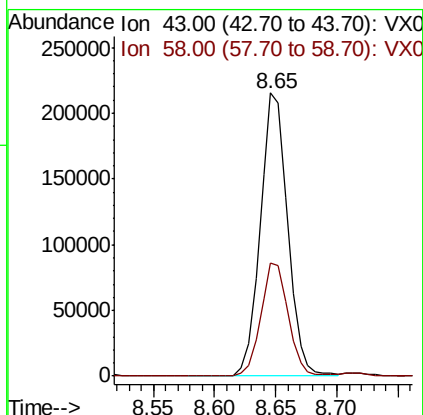
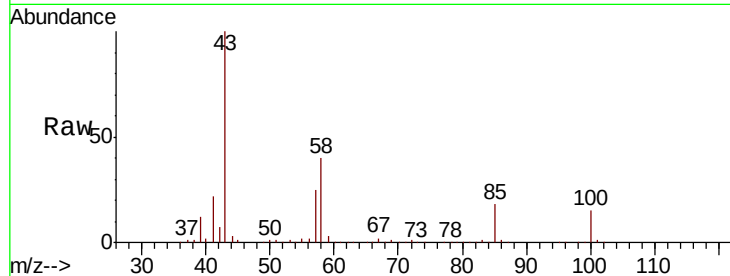
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion: 43 Resp: 336913
Ion Ratio Lower Upper
43 100
58 39.9 33.1 49.7

Manual Integrations
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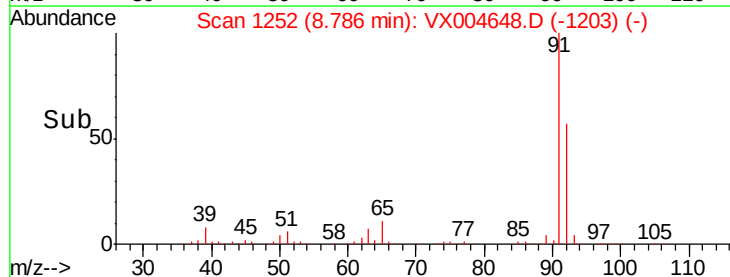
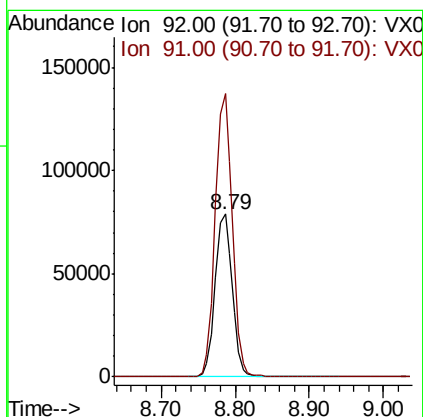
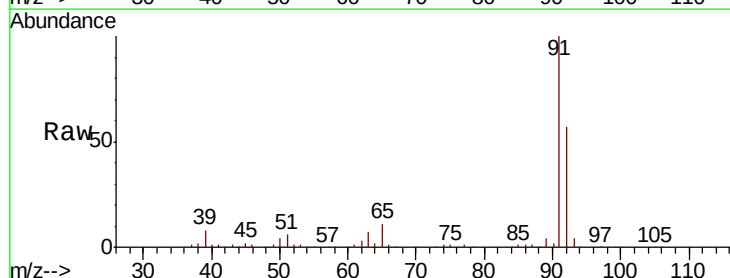
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9/19/2018 12:50:59 PM

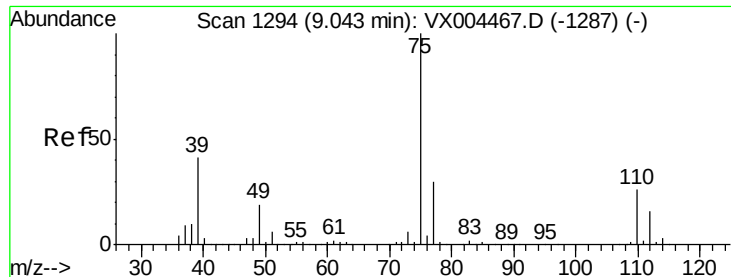
9/19/2018 12:50:59 PM



#52
Toluene
Concen: 18.738 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion: 92 Resp: 125112
Ion Ratio Lower Upper
92 100
91 173.0 136.4 204.6





#53
 t-1,3-Dichloropropene
 Concen: 17.317 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

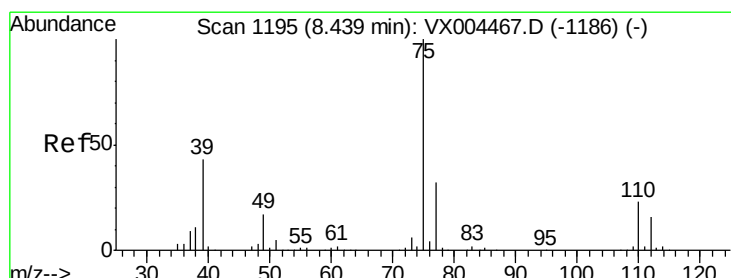
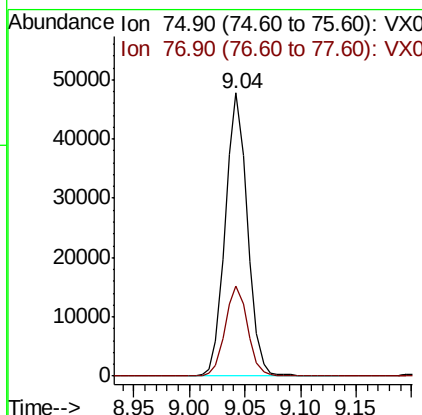
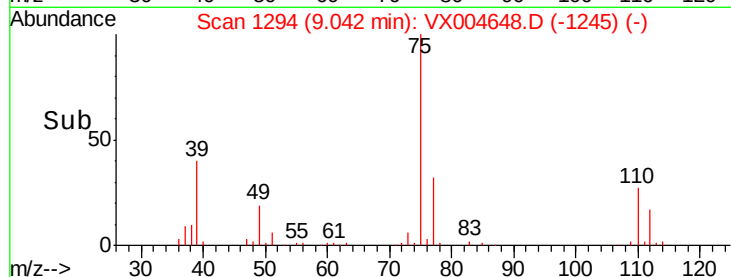
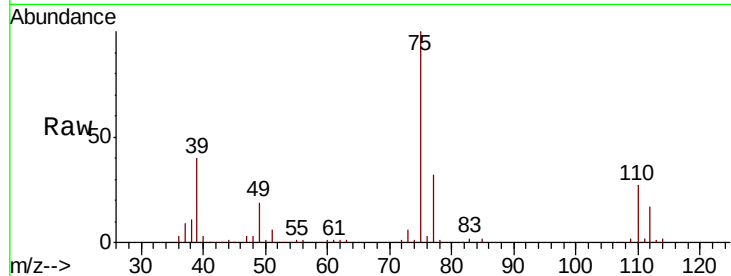
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion: 75 Resp: 65905
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0

Manual Integrations
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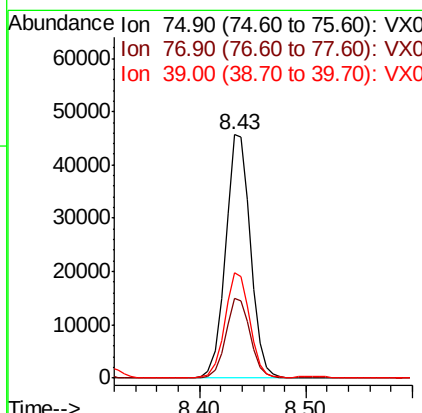
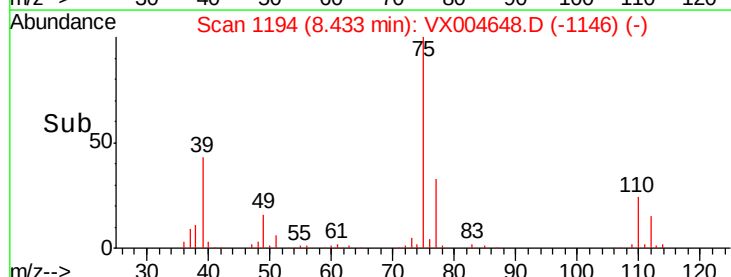
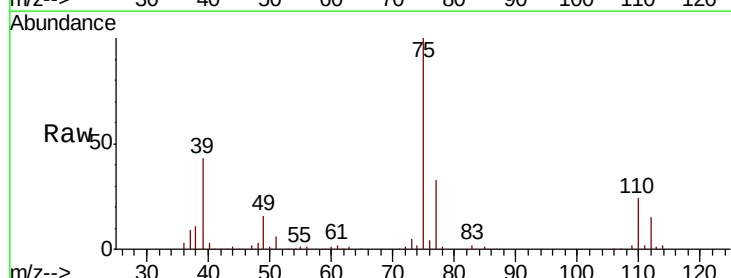
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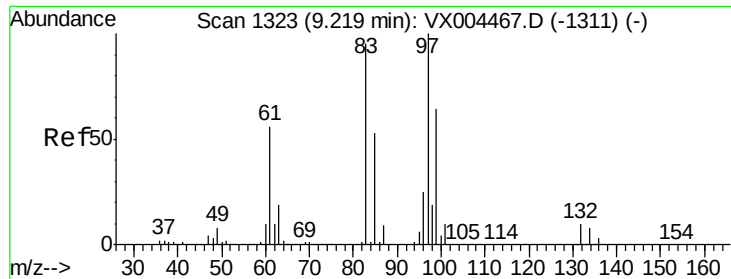
9/19/2018 12:50:59 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.229 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion: 75 Resp: 74600
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.2 39.2
 39 43.0 36.4 54.6





#55
 1,1,2-Trichloroethane
 Concen: 17.744 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

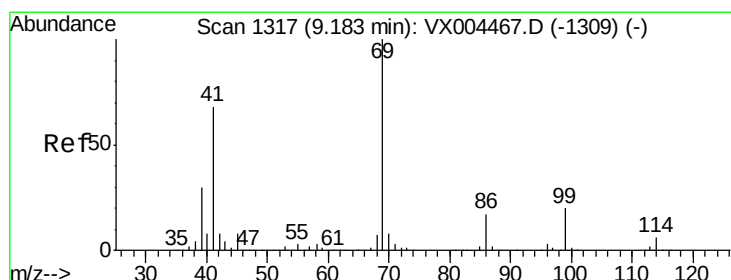
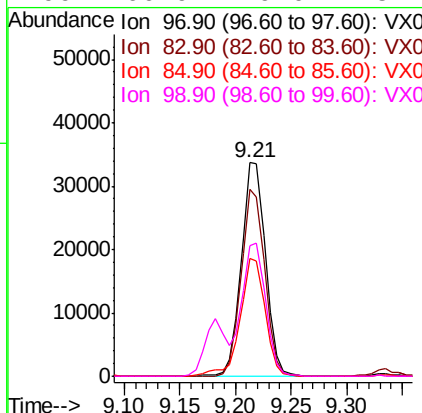
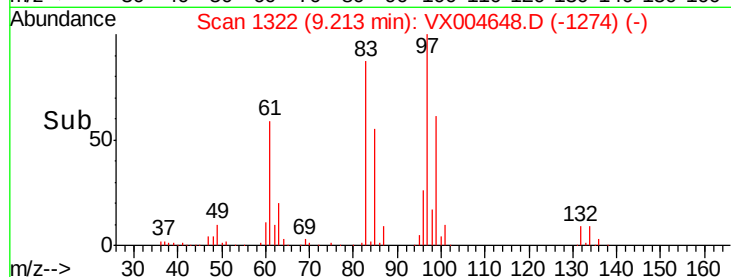
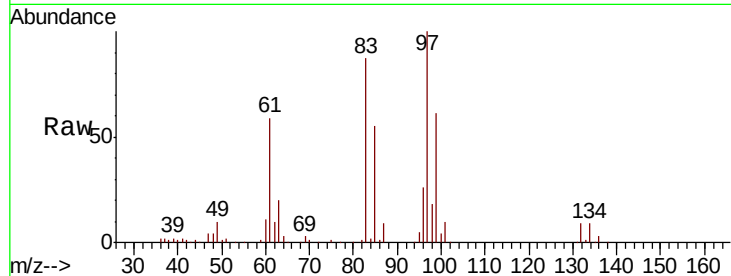
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		51013		
83	87.3	66.4	99.6		
85	55.4	43.3	64.9		
99	60.9	49.0	73.4		

Manual Integrations
 APPROVED

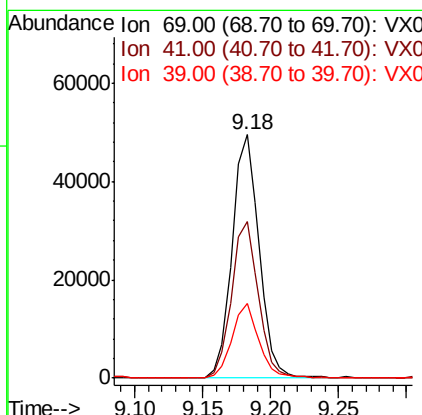
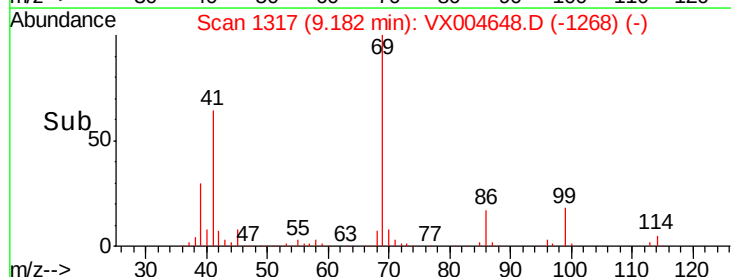
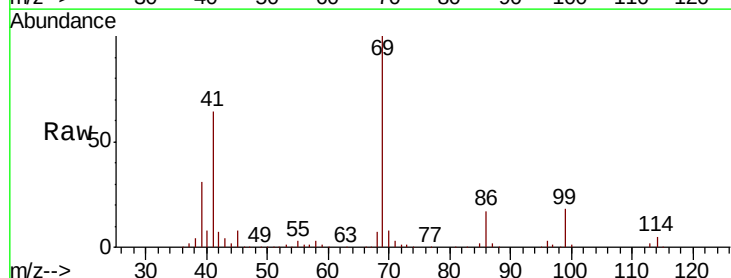
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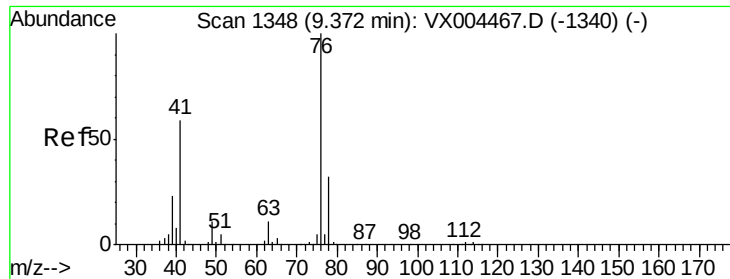
9/19/2018 12:50:59 PM



#56
 Ethyl methacrylate
 Concen: 16.773 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		68220		
41	64.1	51.0	76.4		
39	30.7	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 17.700 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 76 Resp: 82680

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3

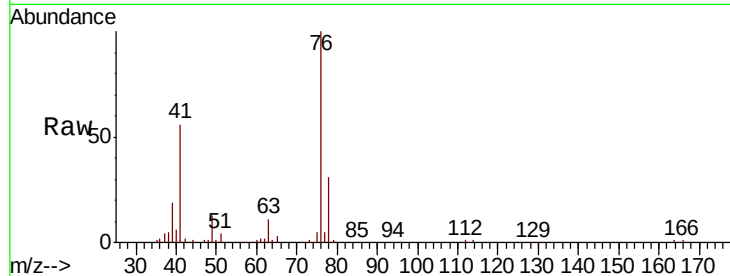
Manual Integrations

APPROVED

MMDadoda

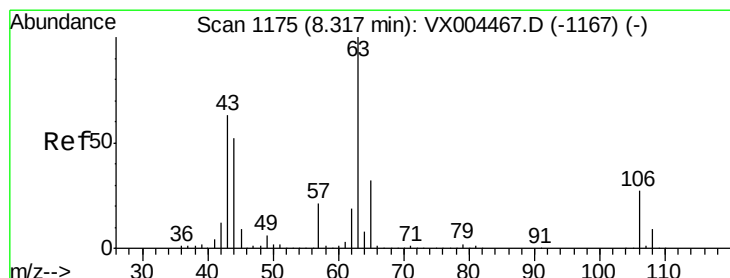
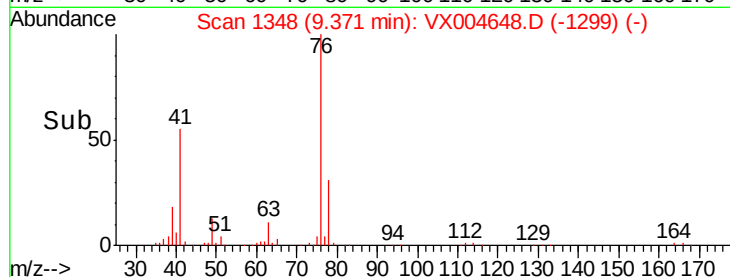
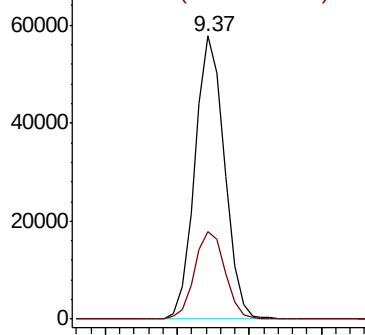
9/19/2018 12:50:59 PM

9/19/2018 12:50:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 91.276 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004648.D

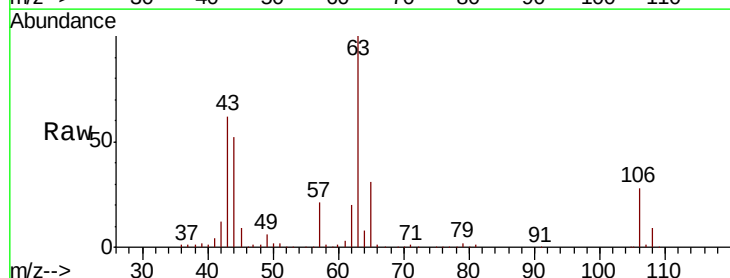
Acq: 18 Sep 2018 10:56

Tgt Ion: 63 Resp: 179288

Ion Ratio Lower Upper

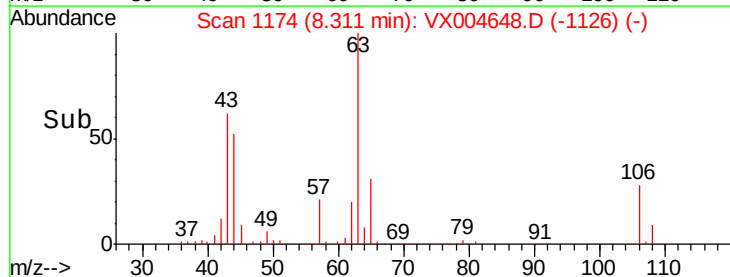
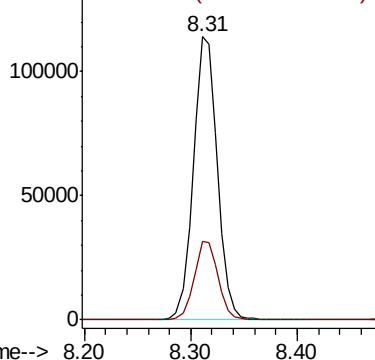
63 100

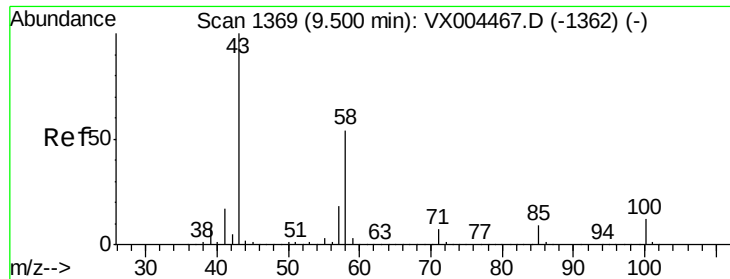
106 27.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59
2-Hexanone
Concen: 82.683 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

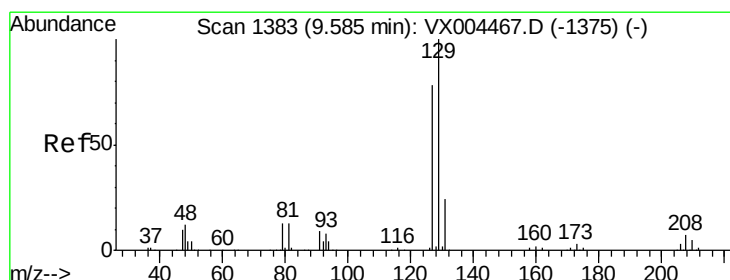
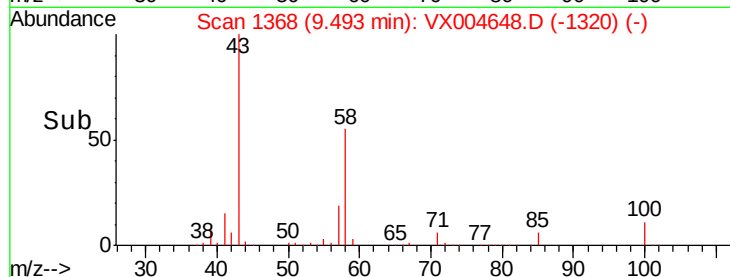
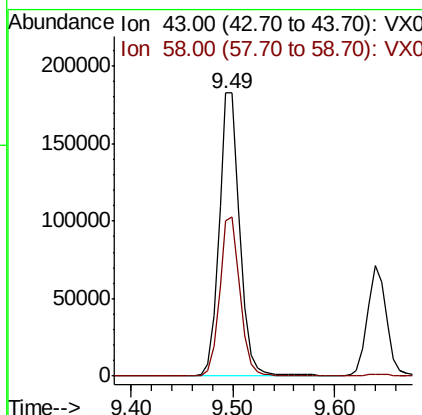
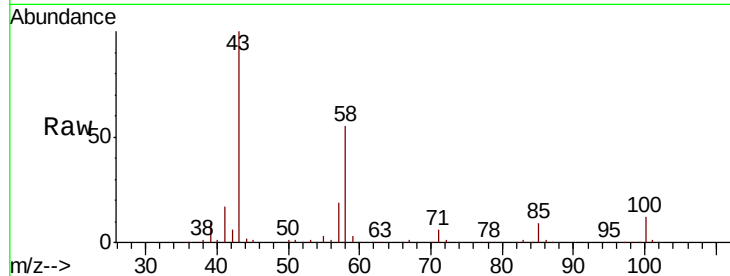
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion: 43 Resp: 258238
Ion Ratio Lower Upper
43 100
58 55.6 29.0 87.0

Manual Integrations
APPROVED

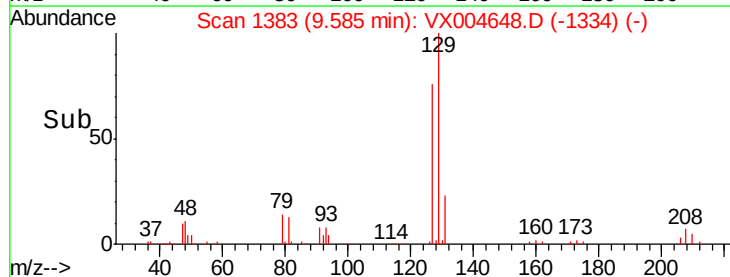
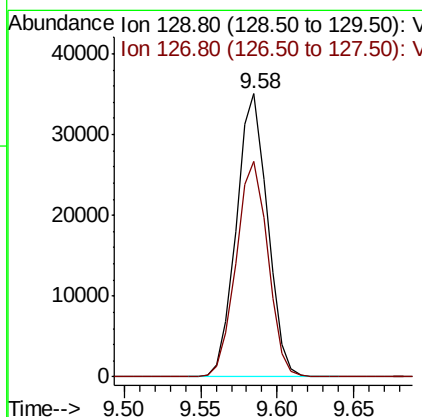
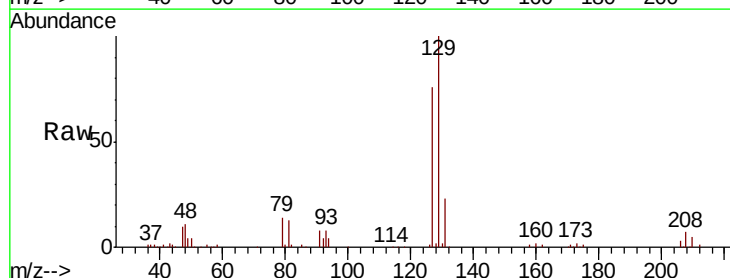
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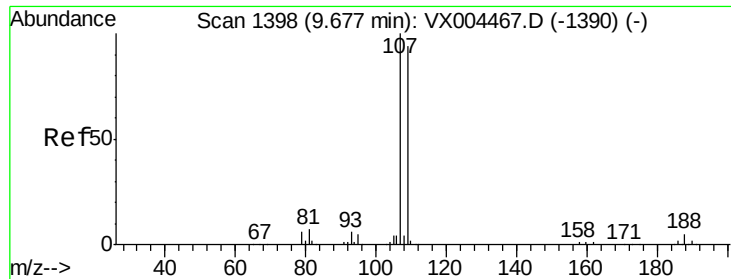
9/19/2018 12:50:59 PM



#60
Dibromochloromethane
Concen: 18.338 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion: 129 Resp: 49633
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.695 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 107 Resp: 51343

Ion Ratio Lower Upper

107 100

109 96.1 76.0 114.0

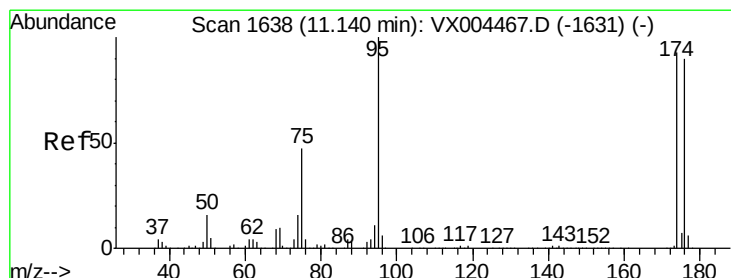
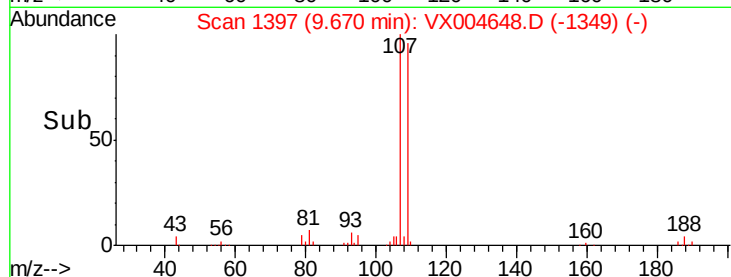
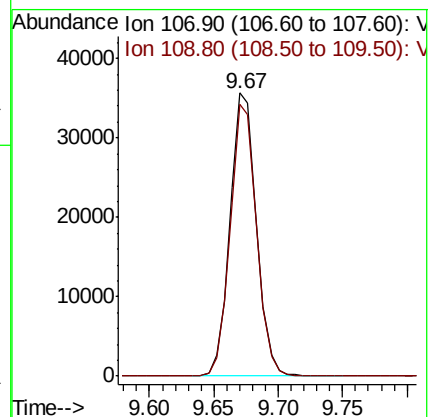
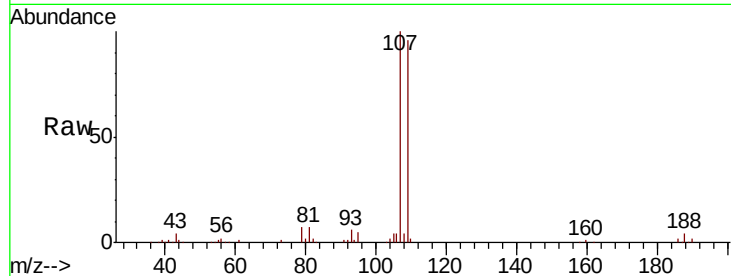
Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 46.052 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

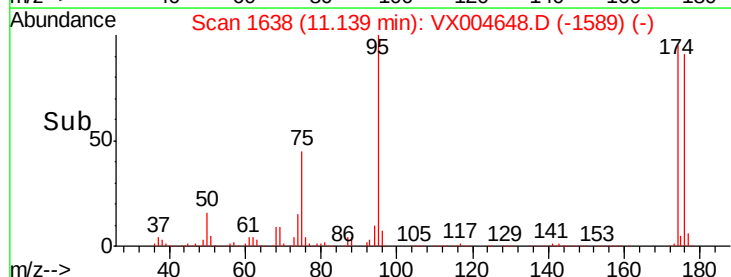
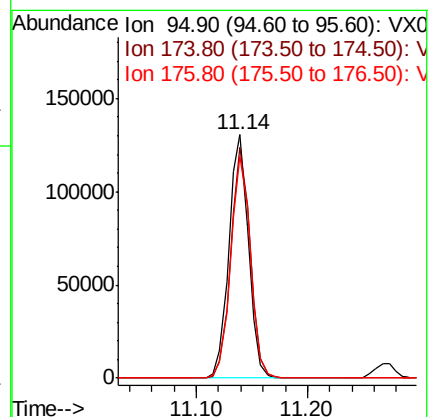
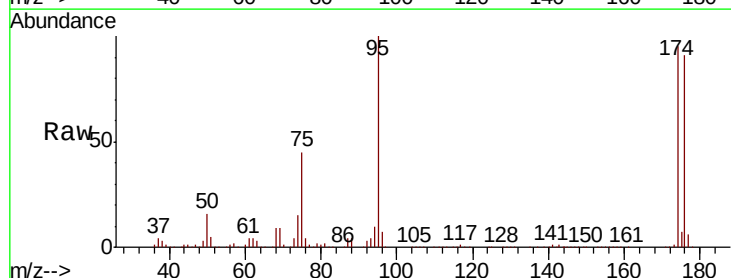
Tgt Ion: 95 Resp: 158711

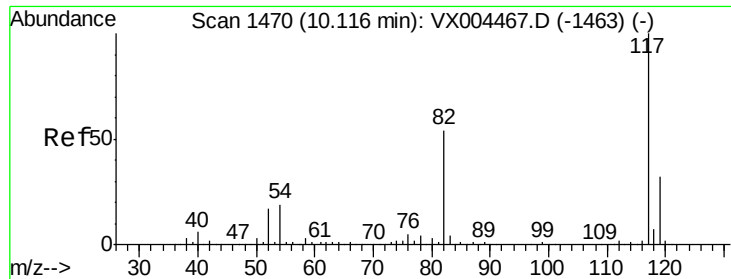
Ion Ratio Lower Upper

95 100

174 93.8 0.0 185.2

176 91.5 0.0 178.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

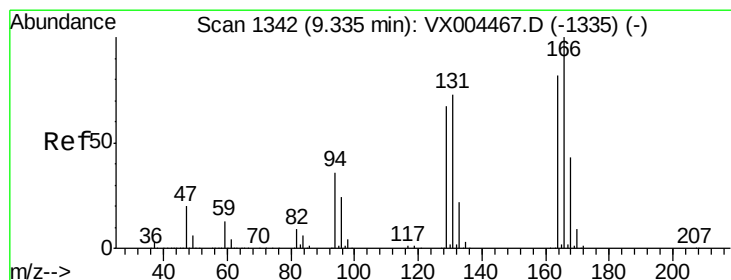
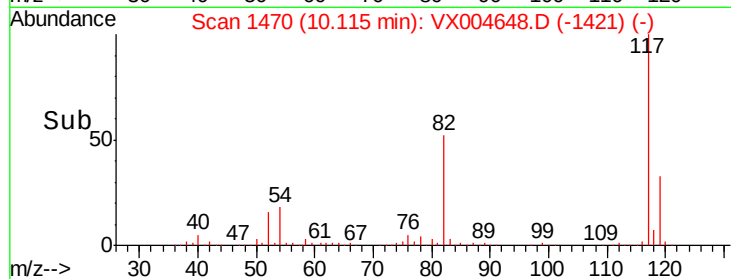
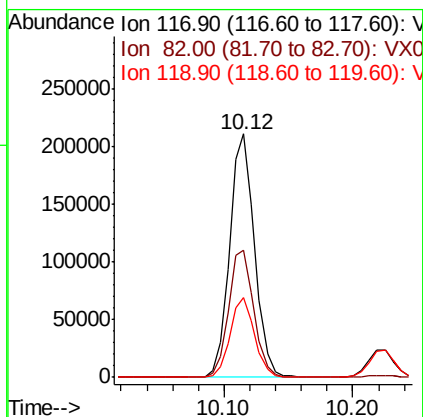
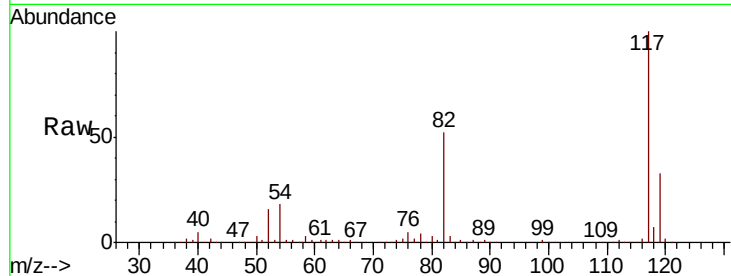
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	47.8	71.6
119	32.8	29.3	43.9

Manual Integrations
APPROVED

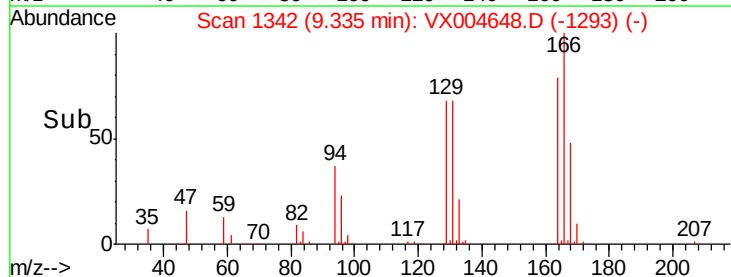
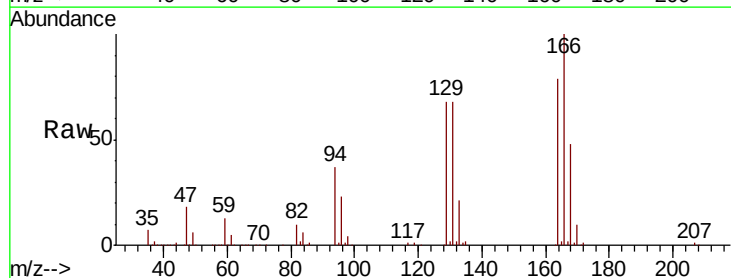
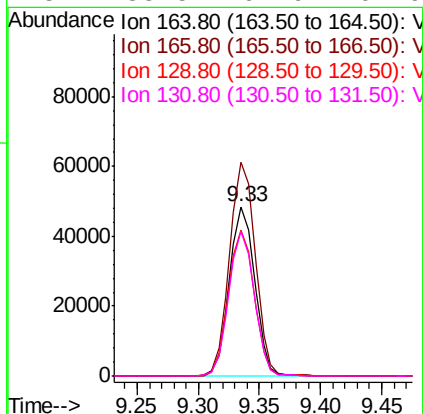
MMDadoda
9/19/2018 12:50:59 PM

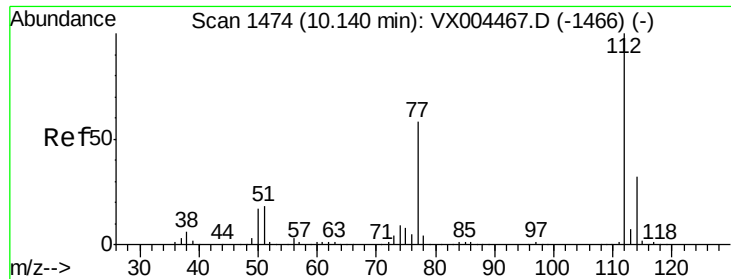
9/19/2018 12:50:59 PM



#64
Tetrachloroethene
Concen: 19.611 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.8	154.2
129	86.3	69.4	104.0
131	85.5	67.9	101.9





#65
Chlorobenzene
Concen: 19.866 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

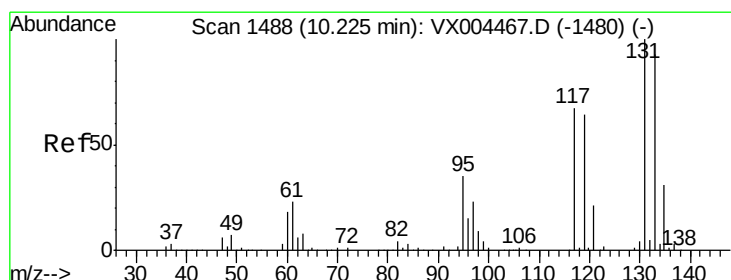
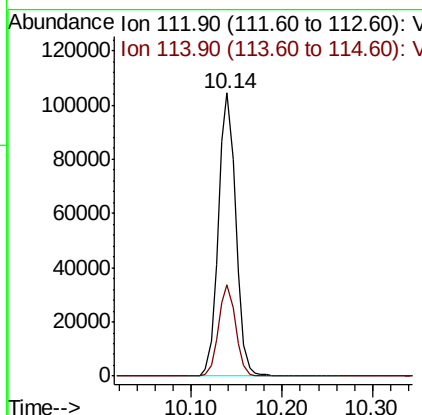
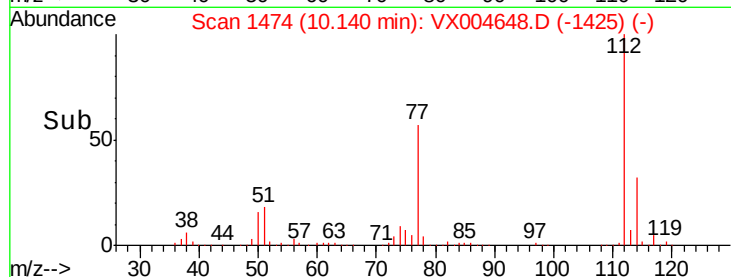
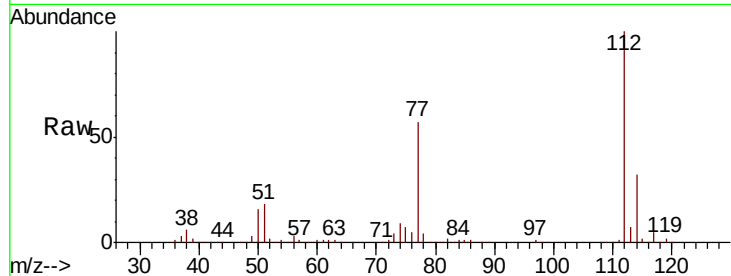
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion:112 Resp: 140623
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8

Manual Integrations
APPROVED

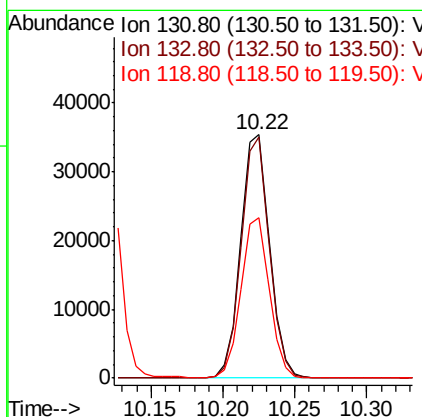
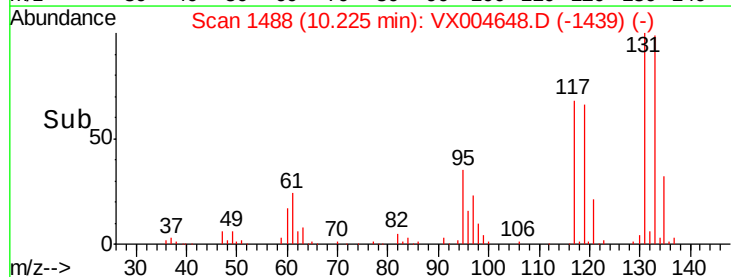
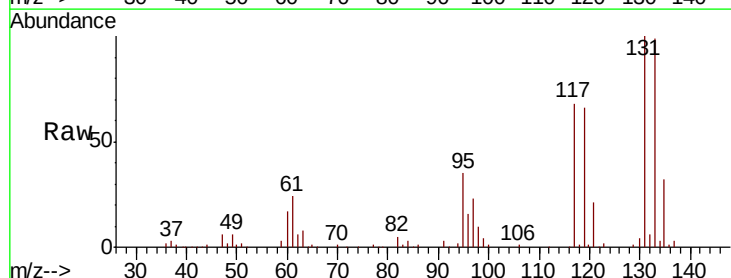
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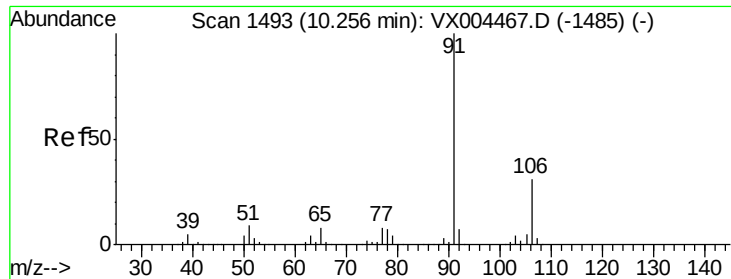
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.186 ug/l
RT: 10.22 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion:131 Resp: 49275
Ion Ratio Lower Upper
131 100
133 96.0 48.1 144.4
119 64.7 32.9 98.6





#67

Ethyl Benzene

Concen: 19.967 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 91 Resp: 229815

Ion Ratio Lower Upper

91 100

106 31.2 25.9 38.9

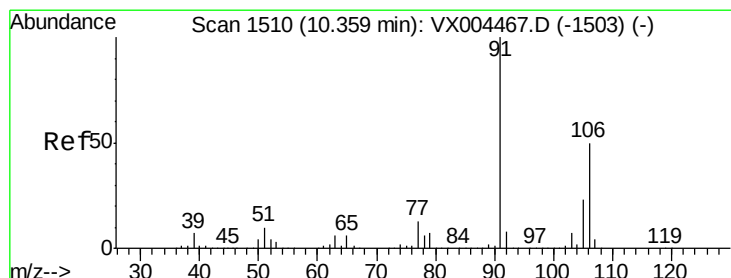
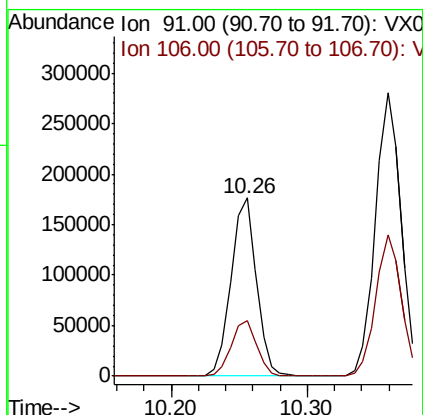
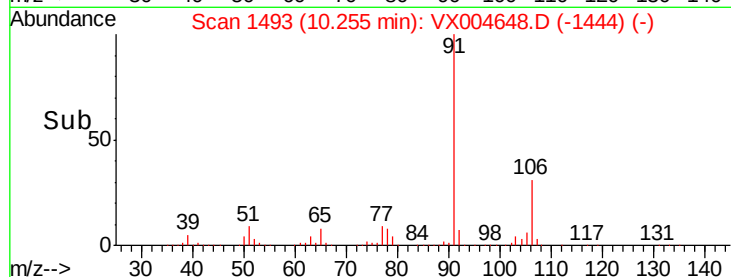
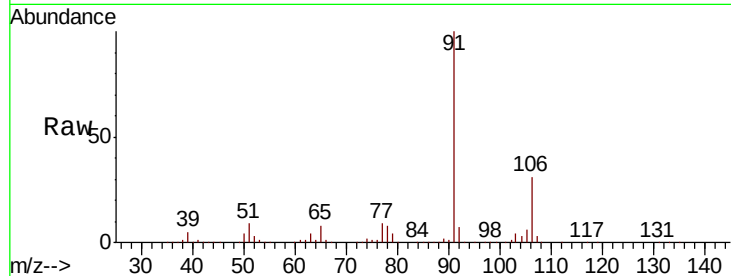
Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 41.354 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004648.D

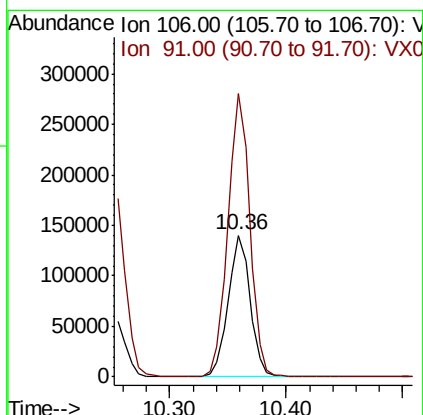
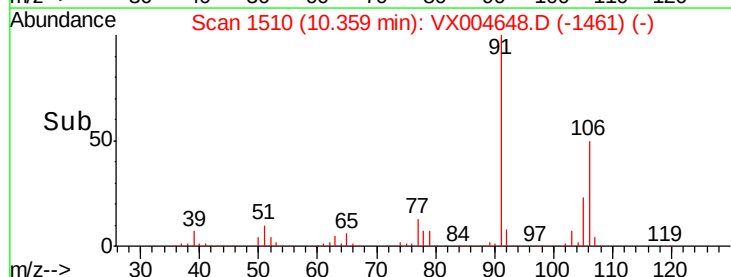
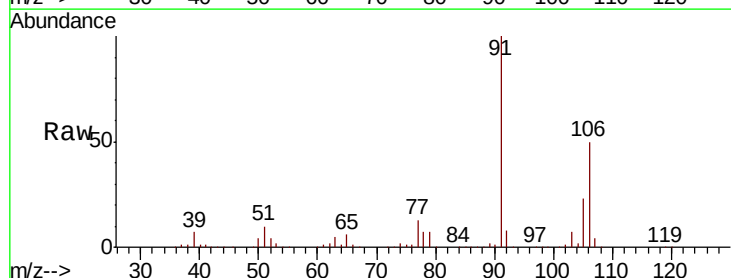
Acq: 18 Sep 2018 10:56

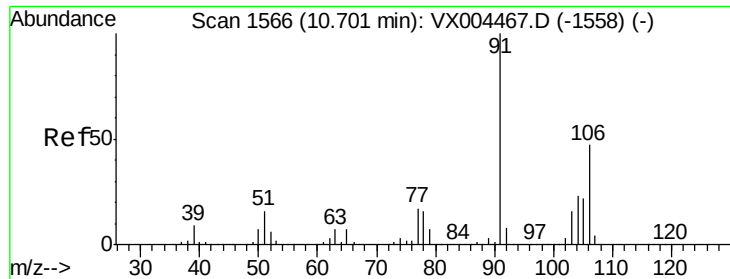
Tgt Ion: 106 Resp: 183349

Ion Ratio Lower Upper

106 100

91 201.1 157.1 235.7





#69
o-Xylene
Concen: 20.170 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

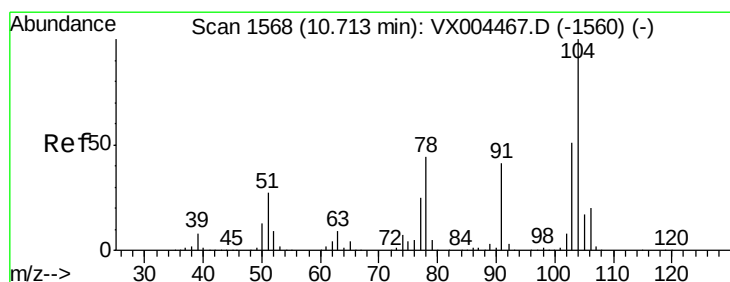
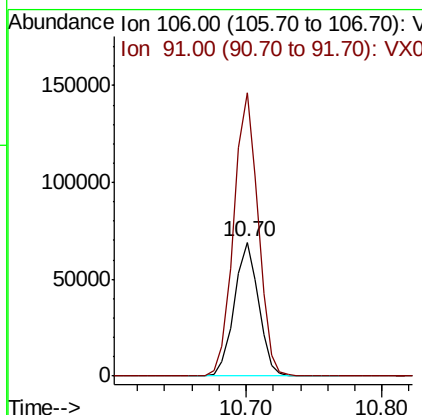
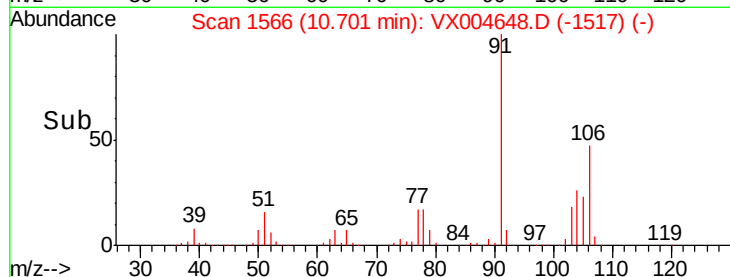
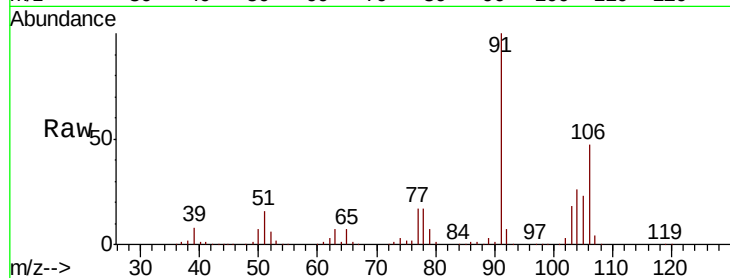
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion:106 Resp: 85972
Ion Ratio Lower Upper
106 100
91 213.2 105.1 315.1

Manual Integrations
APPROVED

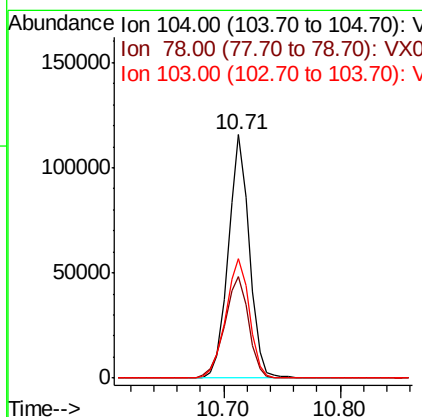
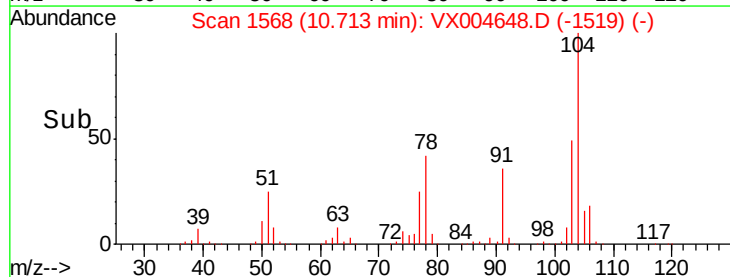
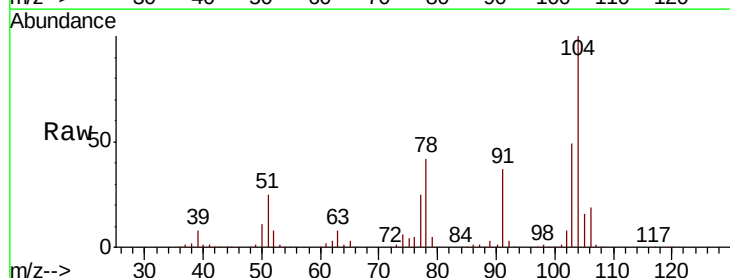
MMDadoda
9/19/2018 12:50:59 PM

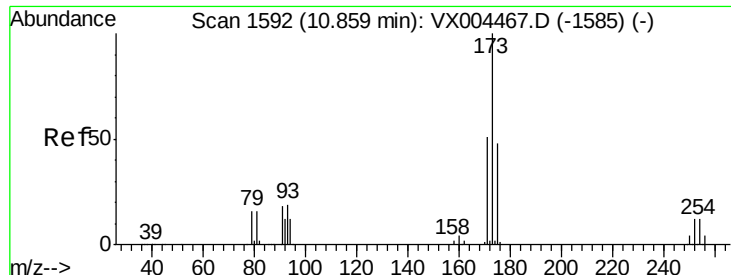
9/19/2018 12:50:59 PM



#70
Styrene
Concen: 20.547 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion:104 Resp: 145095
Ion Ratio Lower Upper
104 100
78 47.7 37.4 56.0
103 55.4 43.8 65.6





#71

Bromoform

Concen: 19.589 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

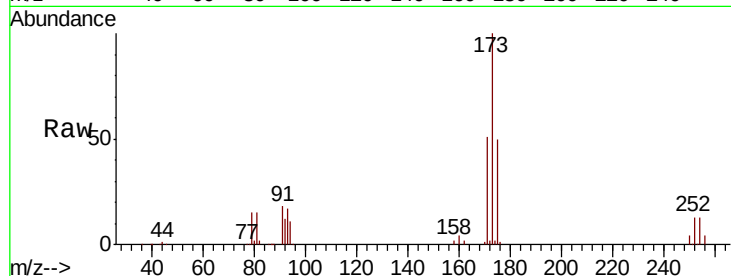
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	39263		
175	49.2	24.1	72.3	
254	0.0	0.2	0.2	

Manual Integrations
APPROVED

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9/19/2018 12:50:59 PM

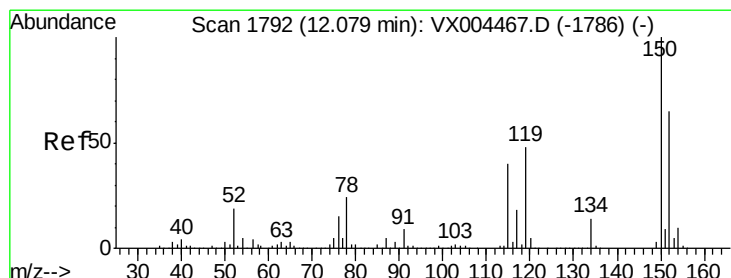
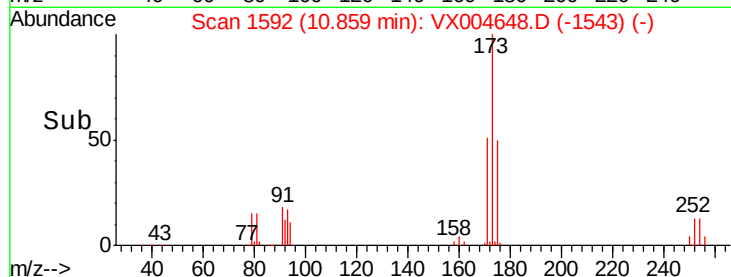
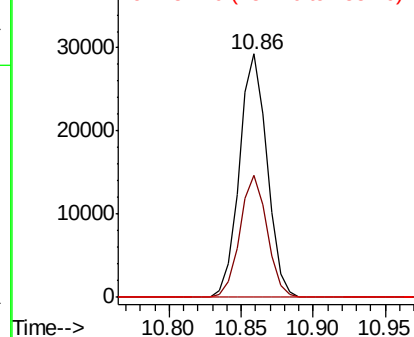


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

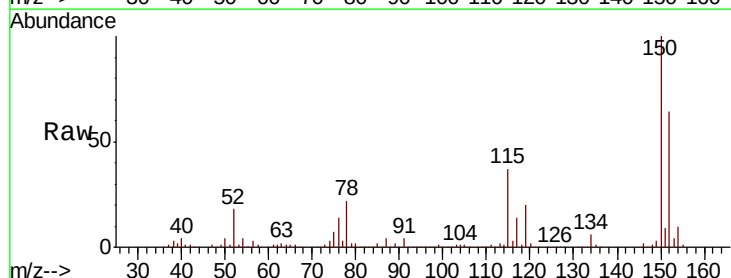
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	177191		
115	64.2	39.0	117.0	
150	163.2	0.0	351.0	

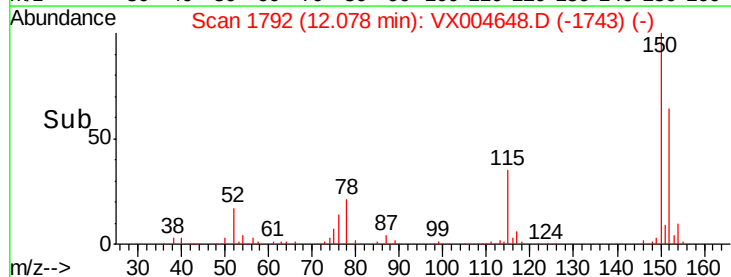
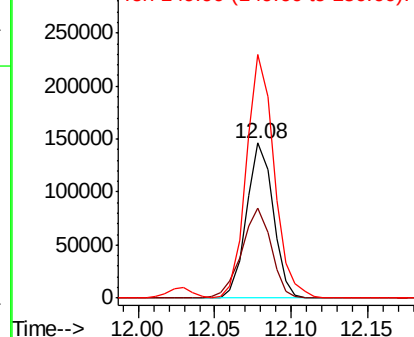


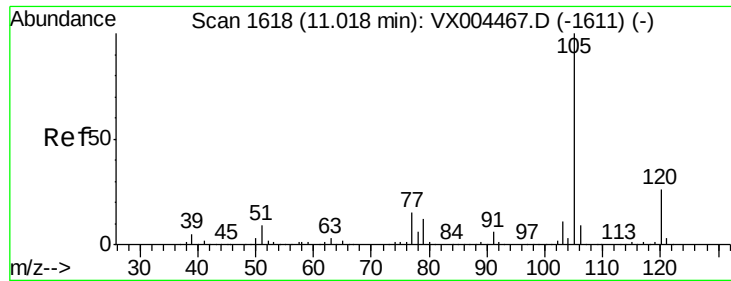
Abundance

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: 20.299 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

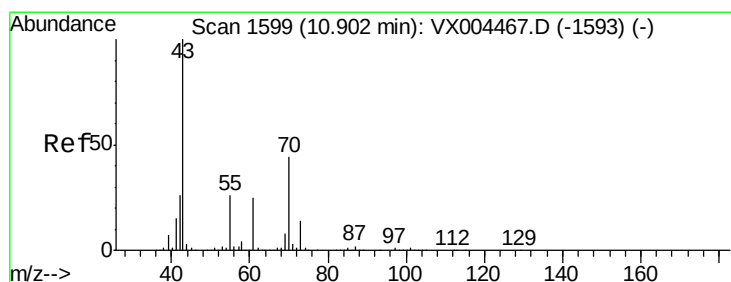
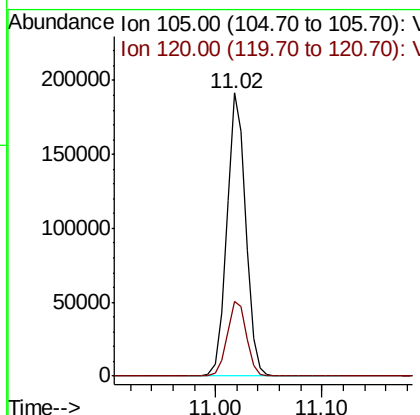
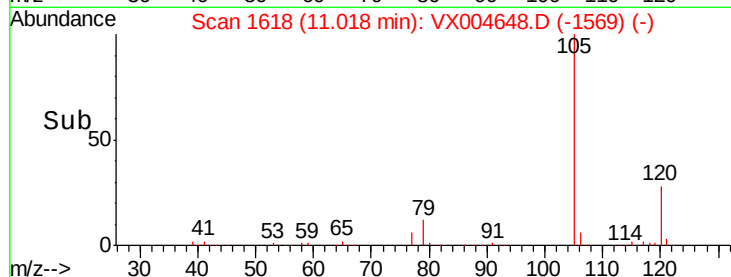
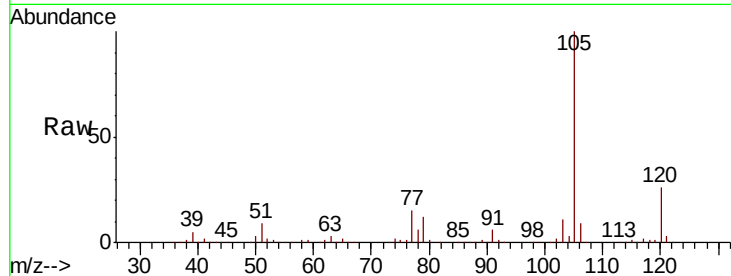
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

Manual Integrations
APPROVED

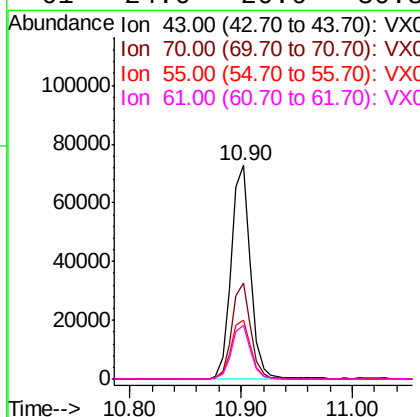
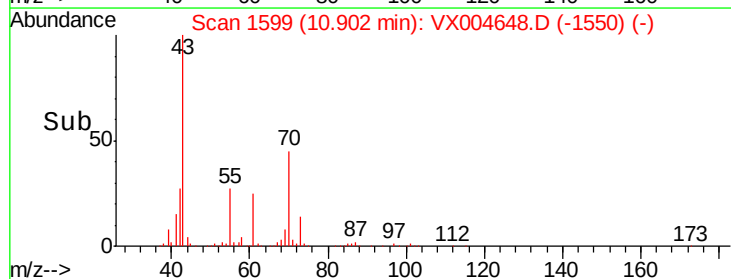
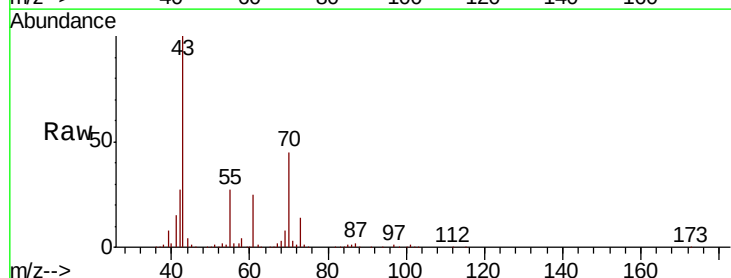
MMDadoda
9/19/2018 12:50:59 PM

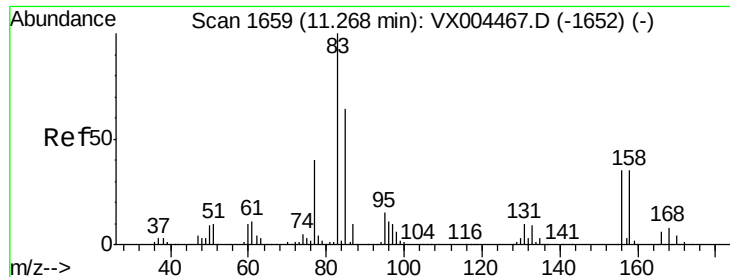
9/19/2018 12:50:59 PM



#74
N-ethyl acetate
Concen: 17.778 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.0	37.4	56.0
55	27.9	21.8	32.8
61	24.6	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.275 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

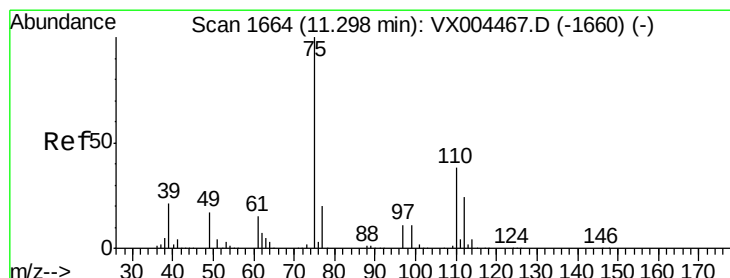
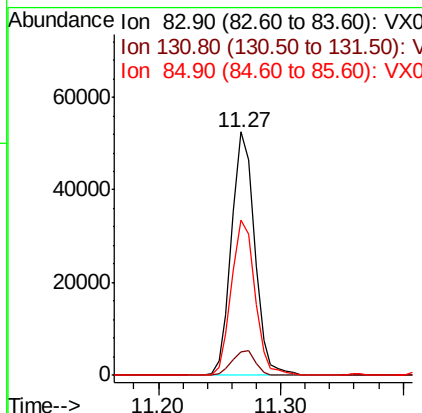
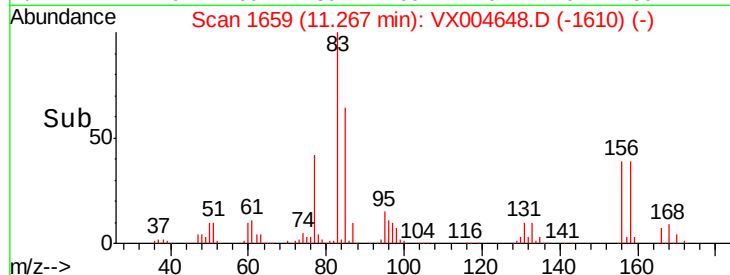
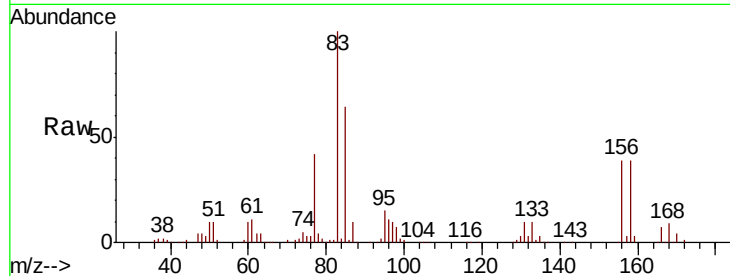
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	68791		
131	10.4	5.2	15.6	
85	64.9	32.3	96.8	

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.056 ug/l m

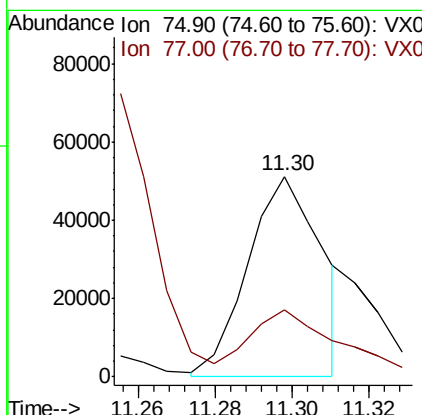
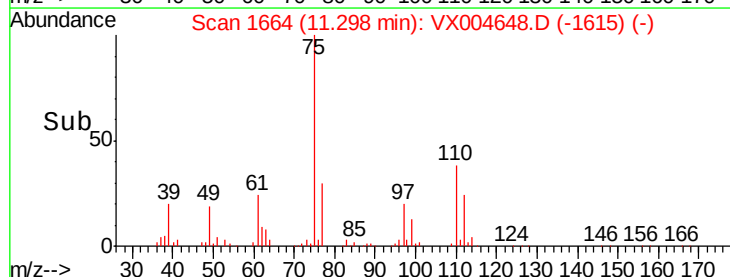
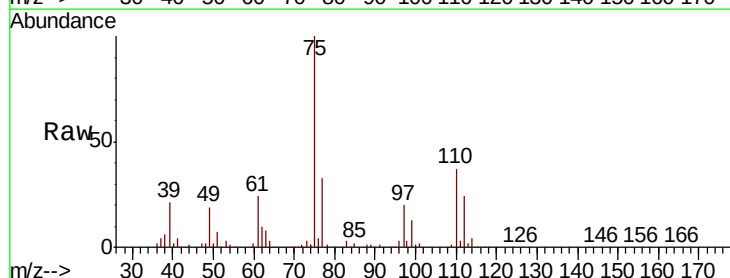
RT: 11.30 min Scan# 1664

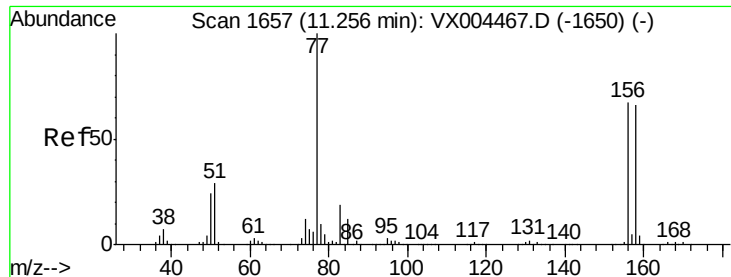
Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67933		
77	40.9	20.2	60.6	





#77

Bromobenzene

Concen: 20.247 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

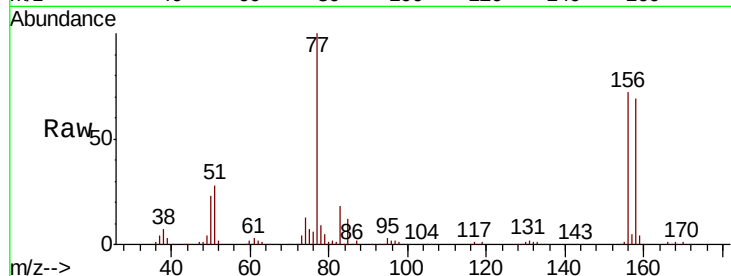
Tgt Ion:	156	Resp:	65306
Ion	Ratio	Lower	Upper
156	100		
77	140.2	71.5	214.3
158	96.8	48.9	146.8

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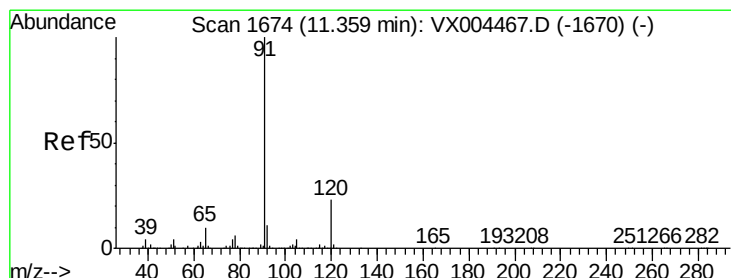
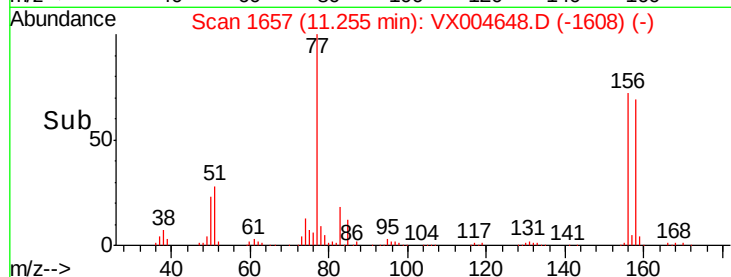
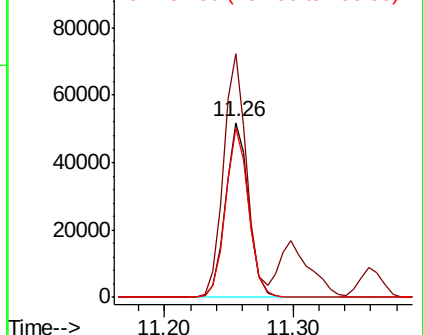
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.392 ug/l

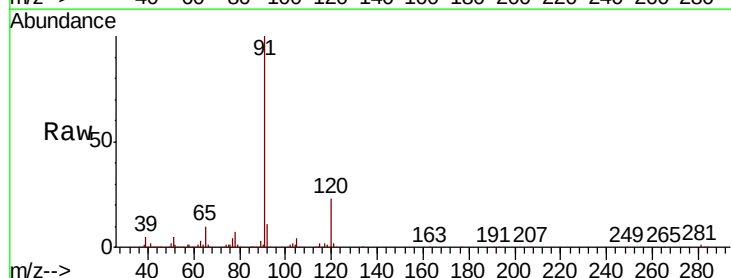
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

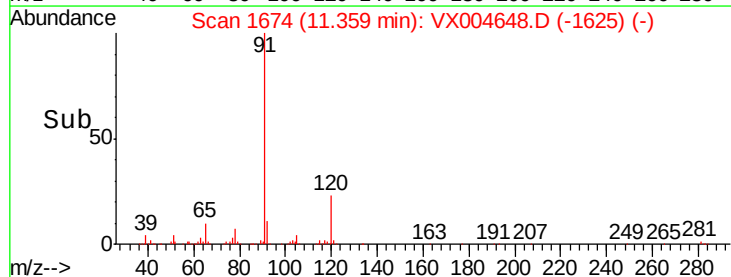
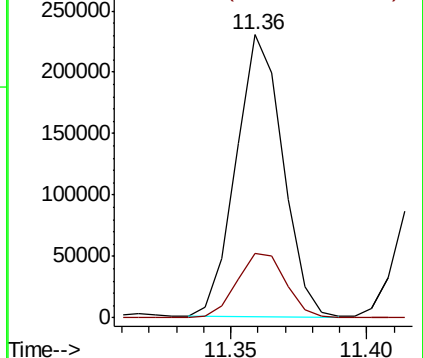
Lab File: VX004648.D

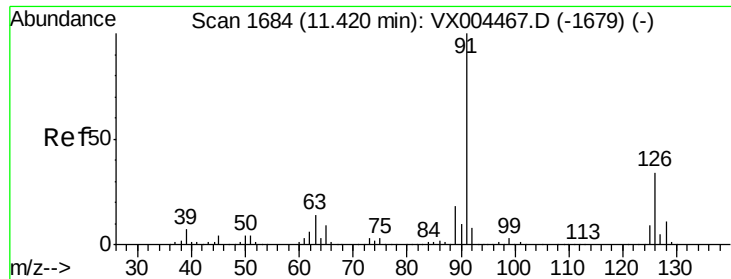
Acq: 18 Sep 2018 10:56

Tgt Ion:	91	Resp:	273615
Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.9



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





#79
 2-Chlorotoluene
 Concen: 19.944 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

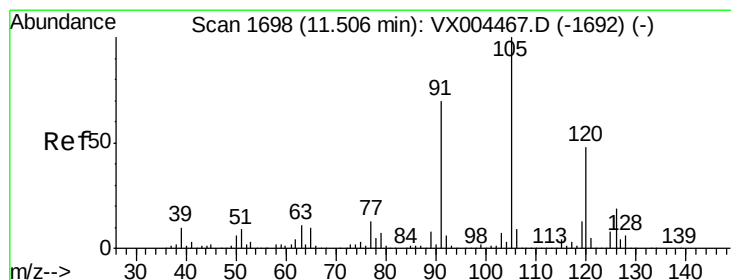
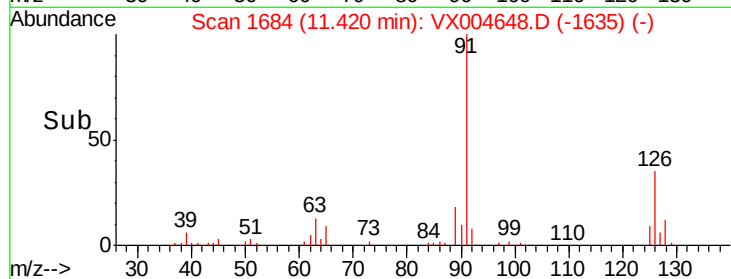
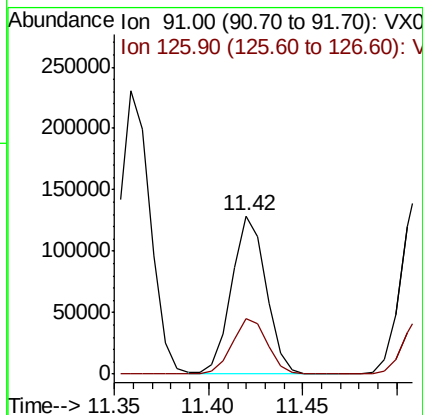
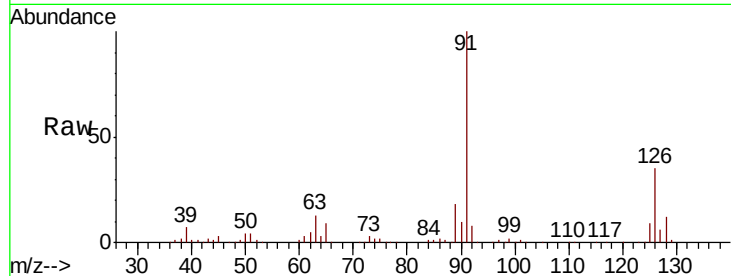
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion: 91 Resp: 162297
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.9 53.7

Manual Integrations
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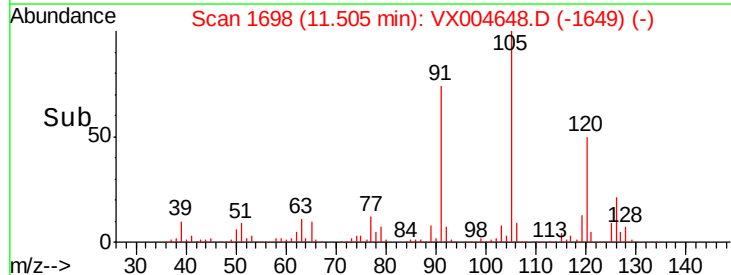
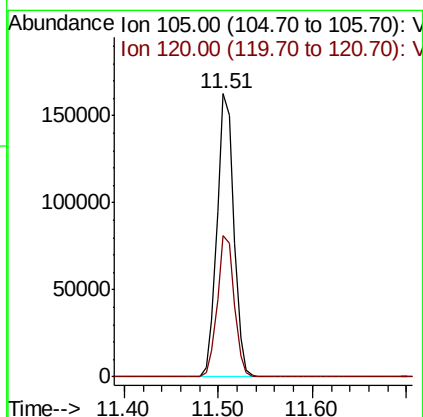
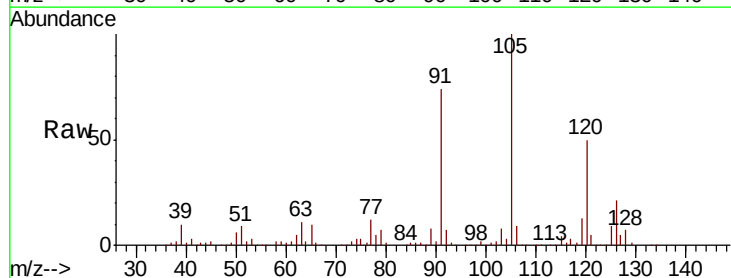
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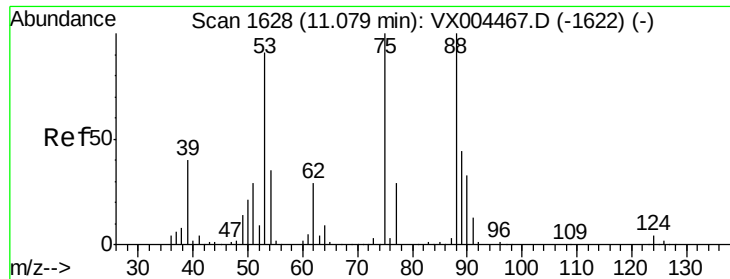
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.642 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion: 105 Resp: 202504
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.706 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

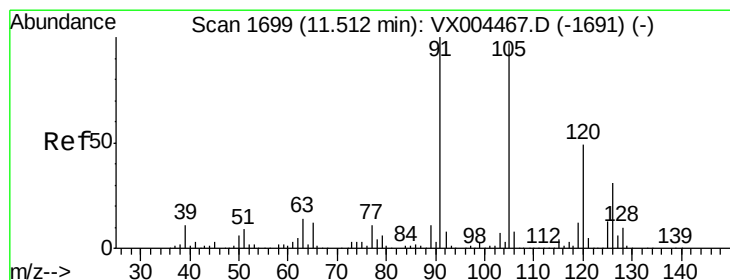
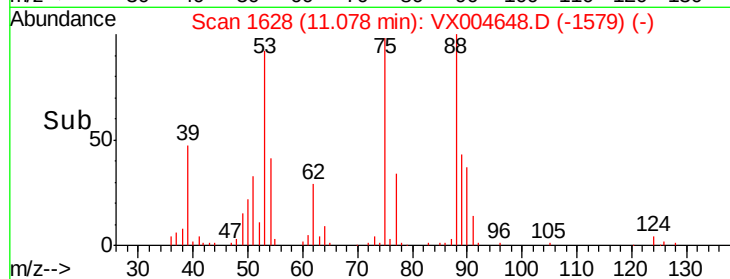
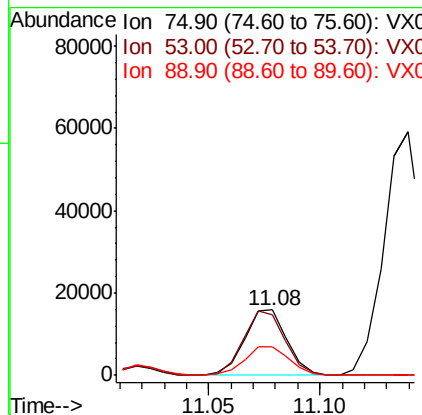
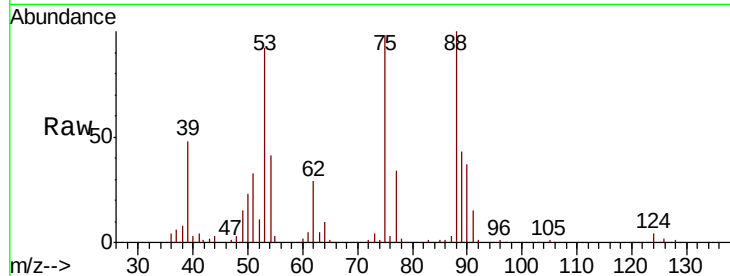
Tgt Ion:	75	Resp:	20921
Ion Ratio	Lower	Upper	
75	100		
53	97.4	80.1	120.1
89	46.8	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.297 ug/l

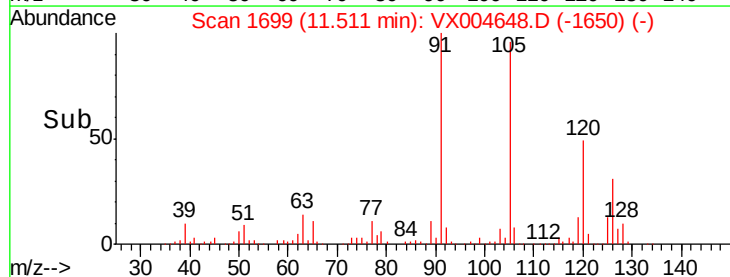
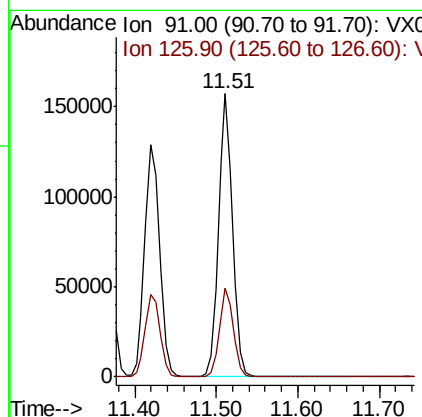
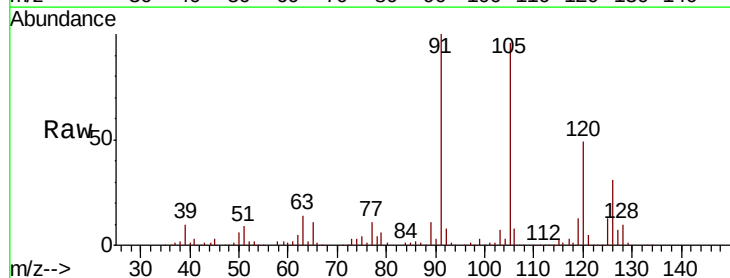
RT: 11.51 min Scan# 1699

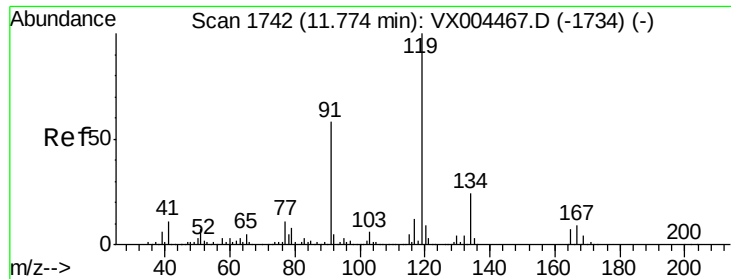
Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Tgt Ion:	91	Resp:	192780
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.5	46.5





#83
 tert-Butylbenzene
 Concen: 20.029 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

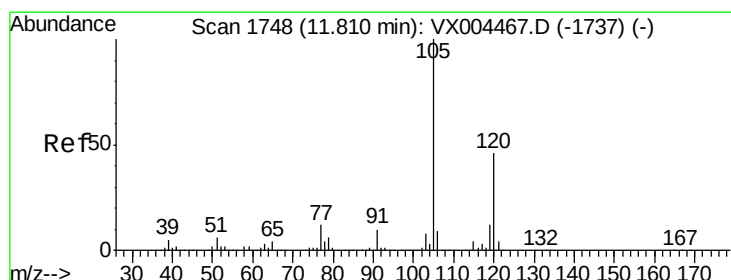
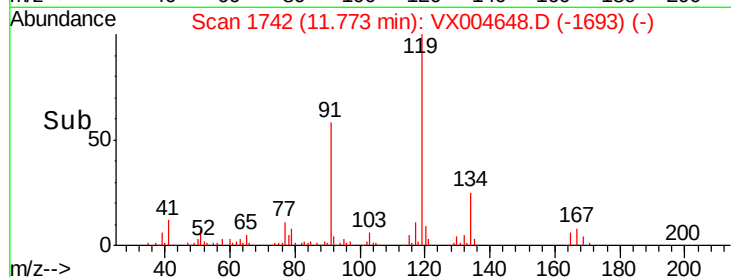
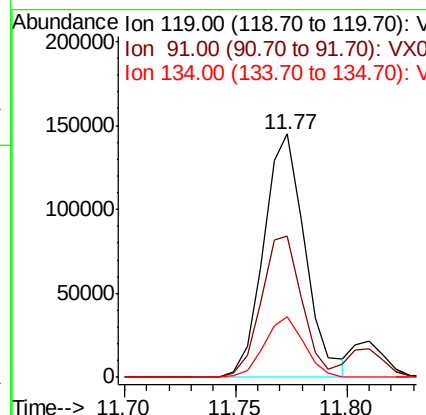
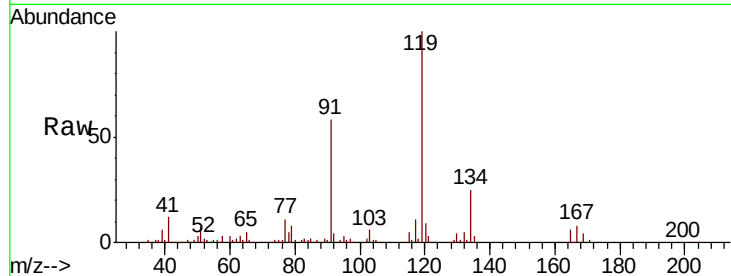
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	187063		
91	57.3	27.0	81.0	
134	23.7	11.7	35.1	

Manual Integrations
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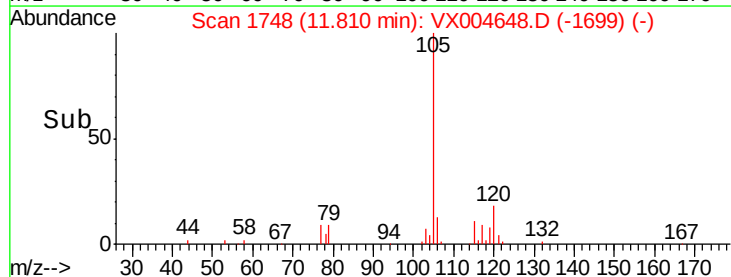
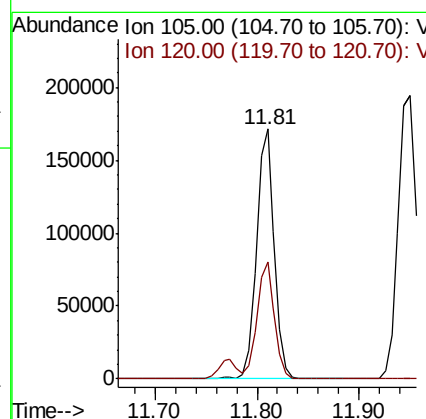
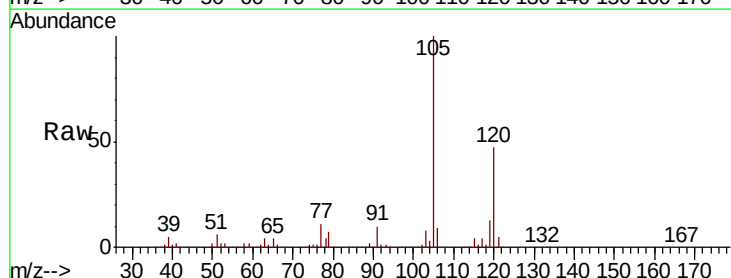
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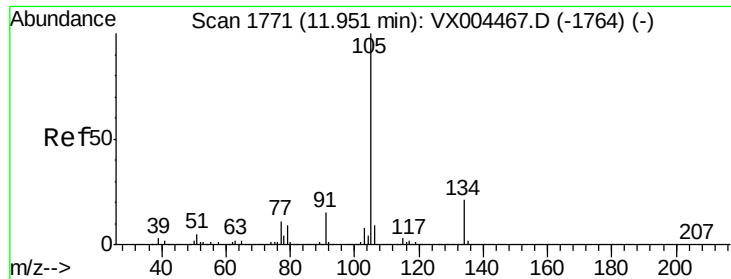
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.794 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	208277		
120	45.9	23.2	69.6	





#85
 sec-Butylbenzene
 Concen: 20.628 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

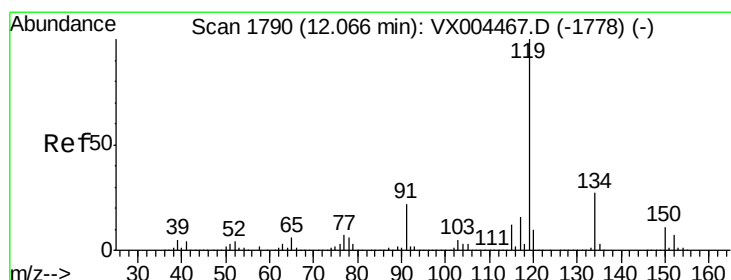
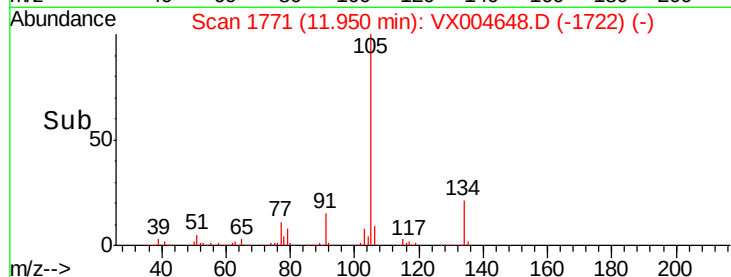
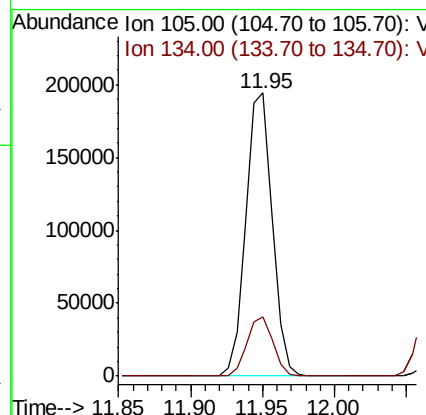
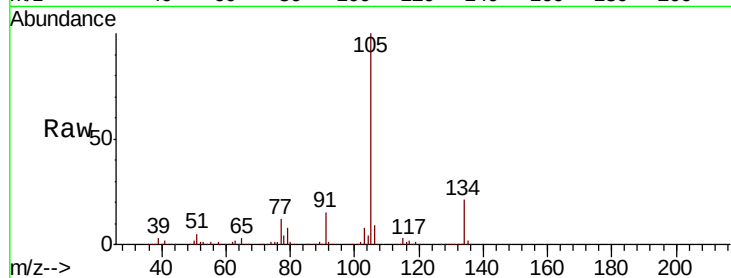
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	245513		
134	20.7	10.5	31.5	

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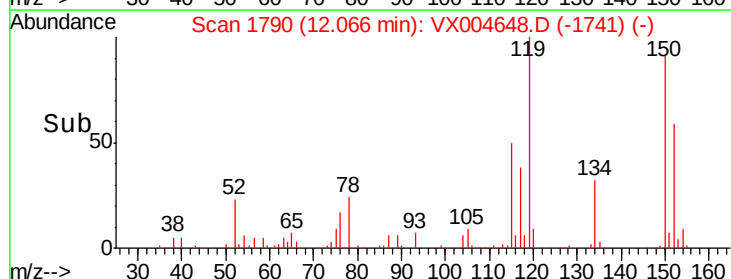
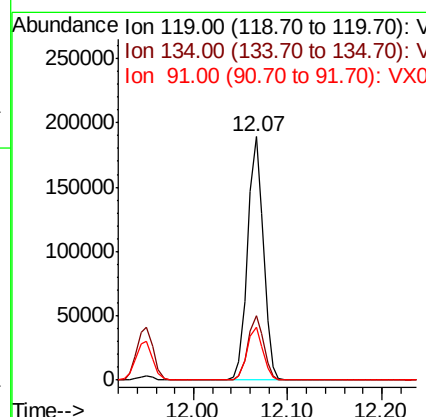
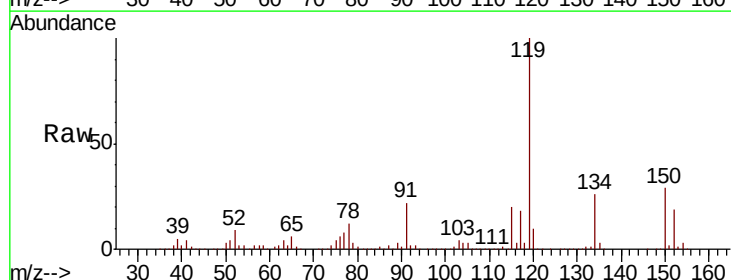
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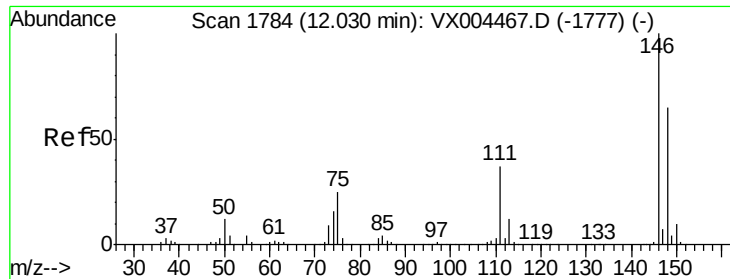
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#86
 p-Isopropyltoluene
 Concen: 20.997 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	220679		
134	26.6	13.4	40.2	
91	22.0	10.9	32.7	





#87
 1,3-Dichlorobenzene
 Concen: 20.124 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

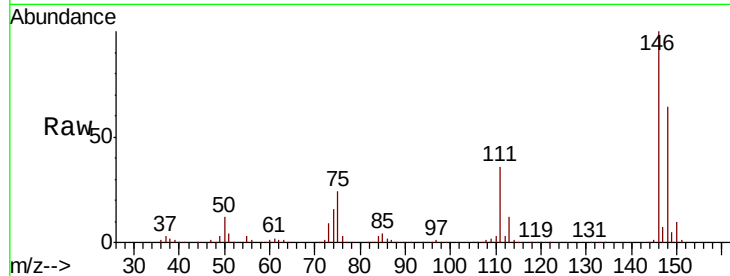
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	64.3	32.1	96.5

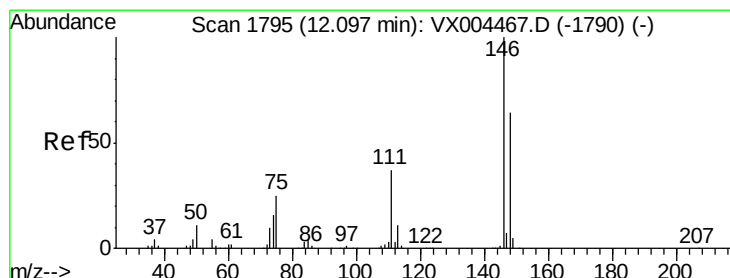
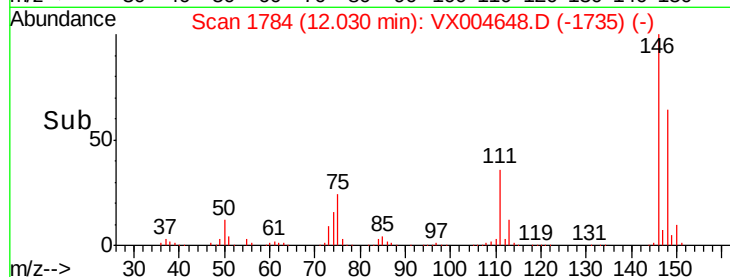
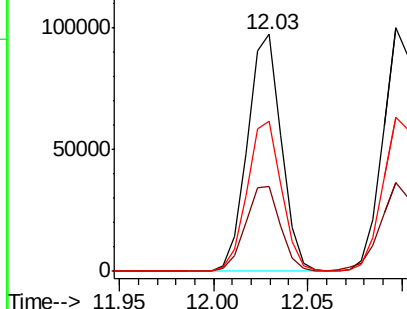
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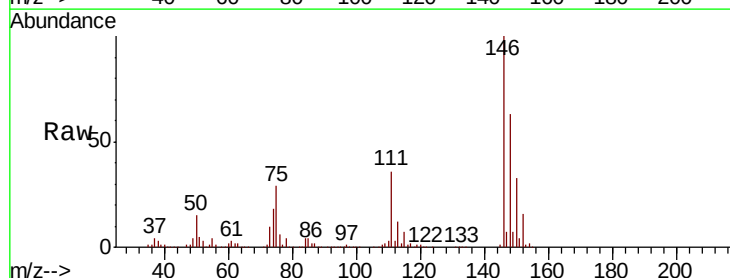


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

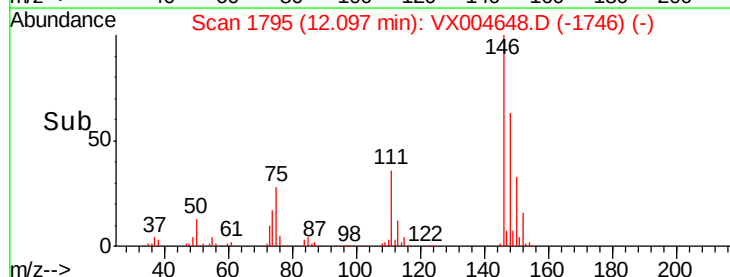
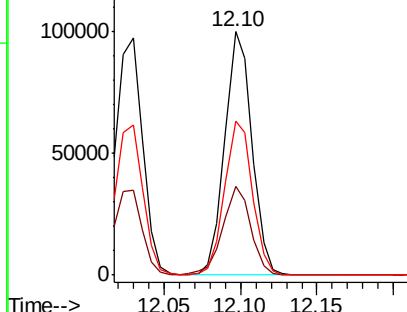


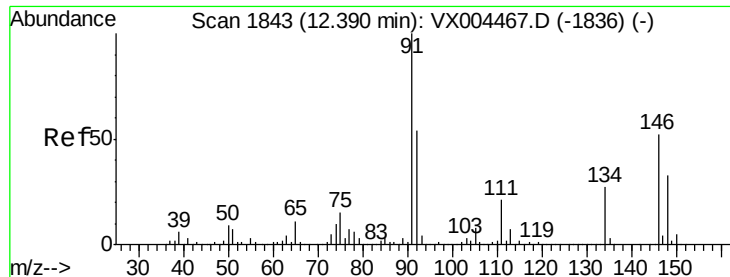
#88
 1,4-Dichlorobenzene
 Concen: 19.774 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	65.1	32.0	96.0



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





#89

n-Butylbenzene

Concen: 19.794 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004648.D

Acq: 18 Sep 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBS01

Tgt Ion: 91 Resp: 189578
Ion Ratio Lower Upper

91 100

92 51.9 27.3 81.9

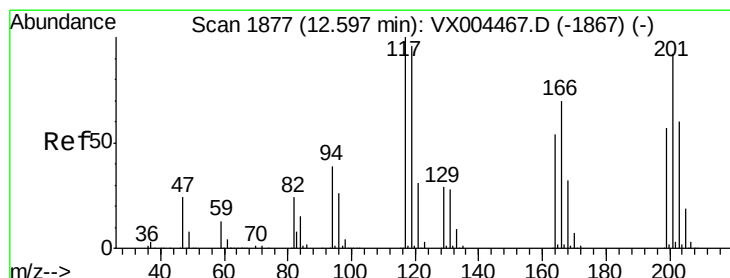
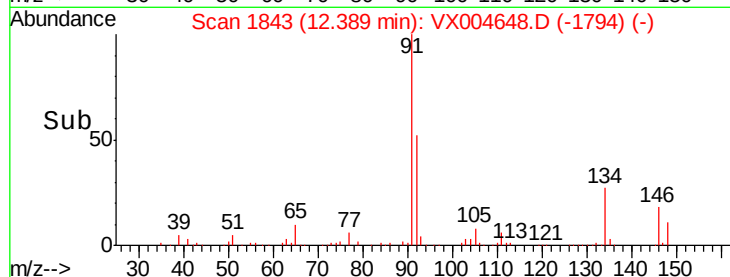
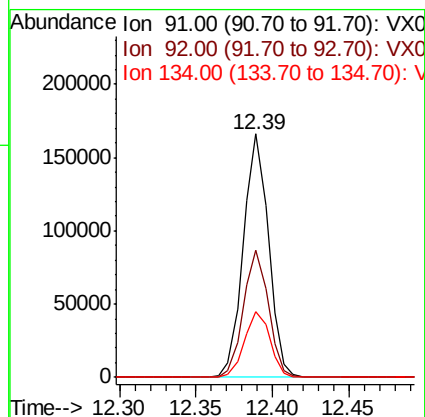
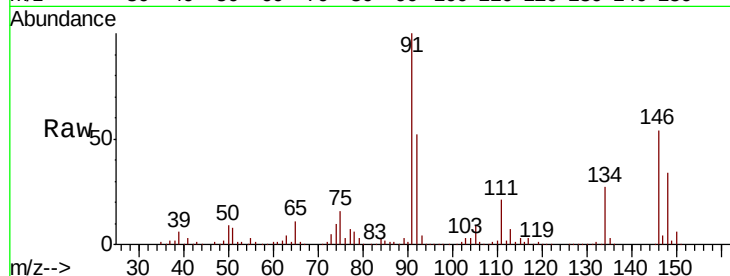
134 27.3 13.6 40.7

Manual Integrations
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#90

Hexachloroethane

Concen: 19.288 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

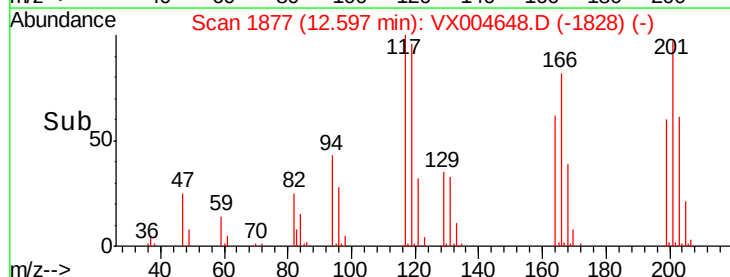
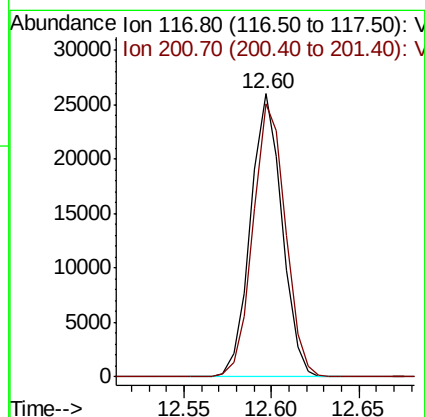
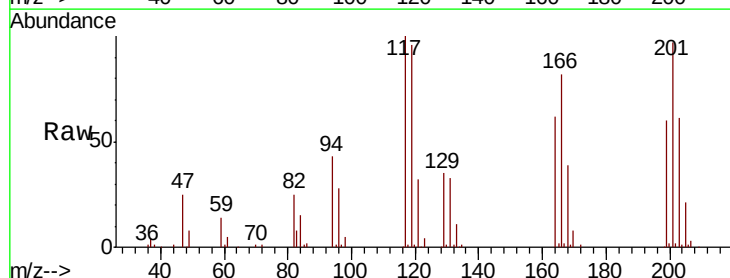
Lab File: VX004648.D

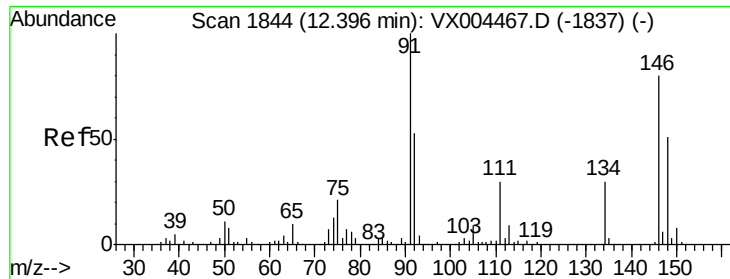
Acq: 18 Sep 2018 10:56

Tgt Ion: 117 Resp: 32453
Ion Ratio Lower Upper

117 100

201 99.5 46.9 140.6





#91
 1,2-Dichlorobenzene
 Concen: 19.788 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

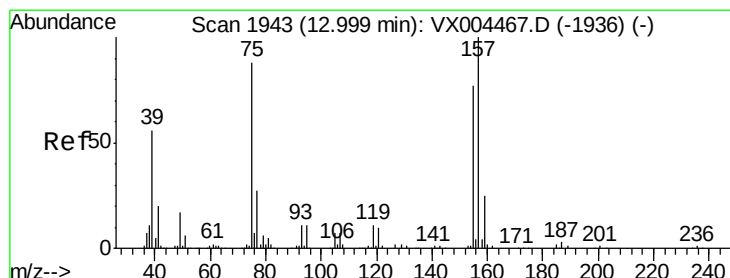
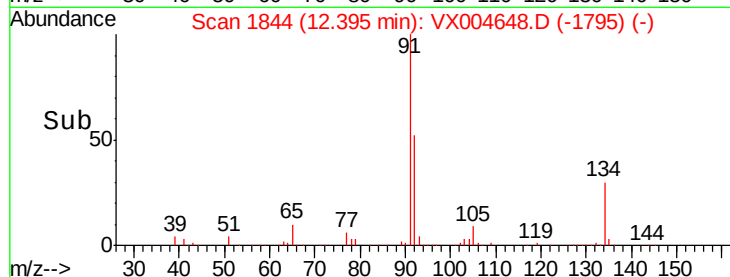
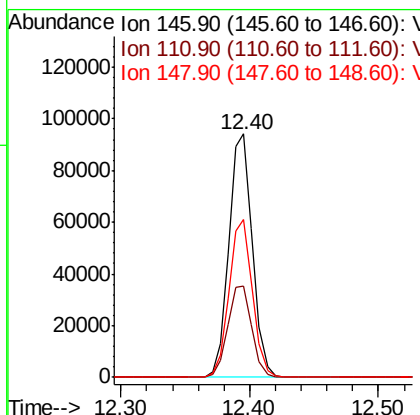
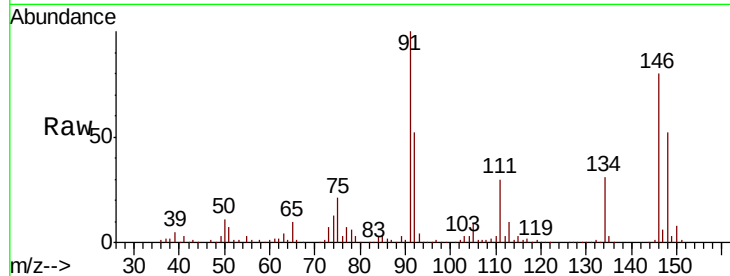
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.5	32.8	98.3

Manual Integrations
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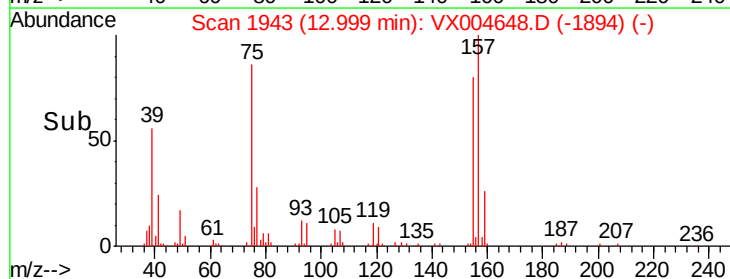
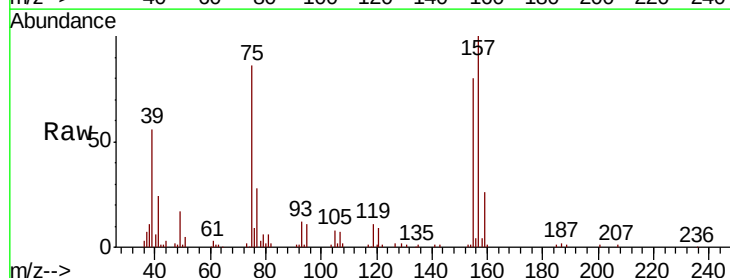
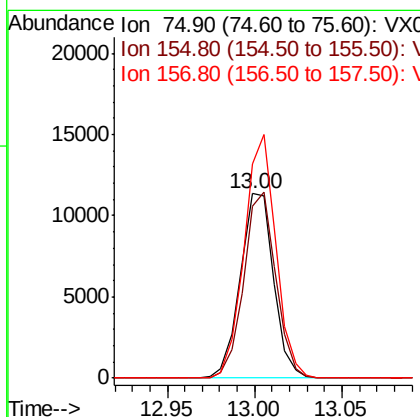
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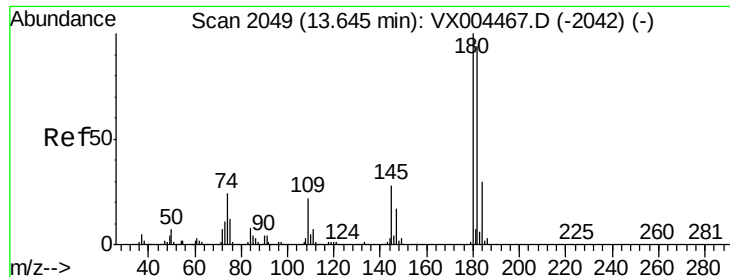
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.755 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004648.D
 Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	48.0	144.2
157	124.1	61.4	184.1





#93
1,2,4-Trichlorobenzene
Concen: 20.409 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

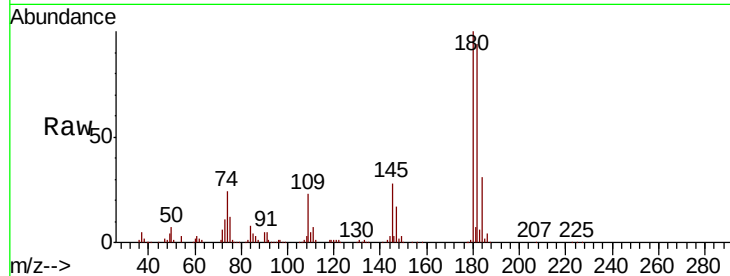
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88023		
182	95.8	48.4	145.0	
145	27.6	14.3	42.9	

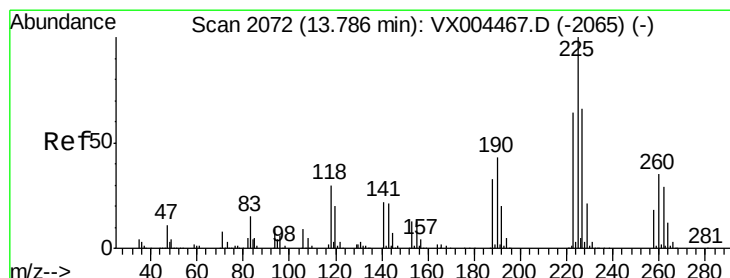
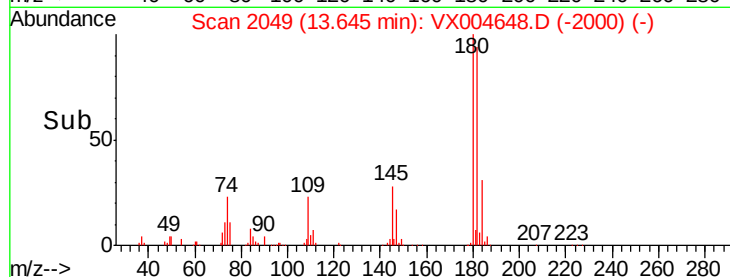
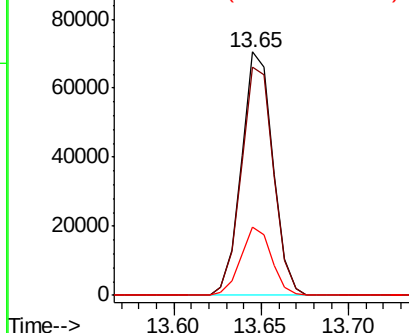
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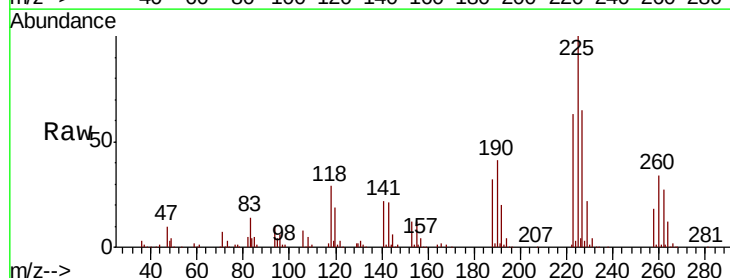


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

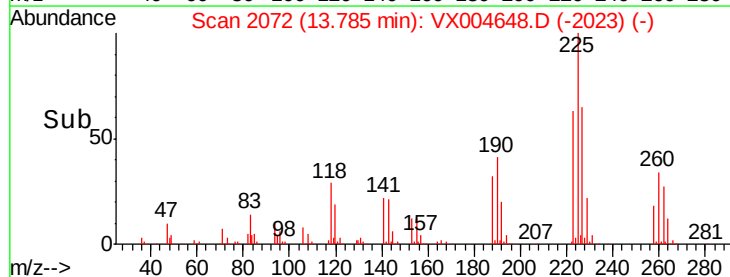
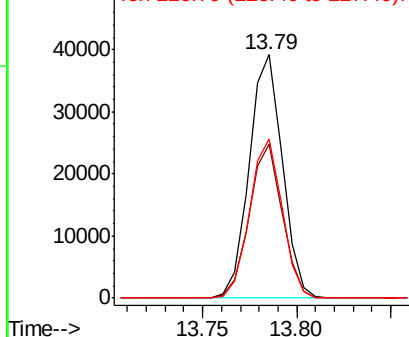


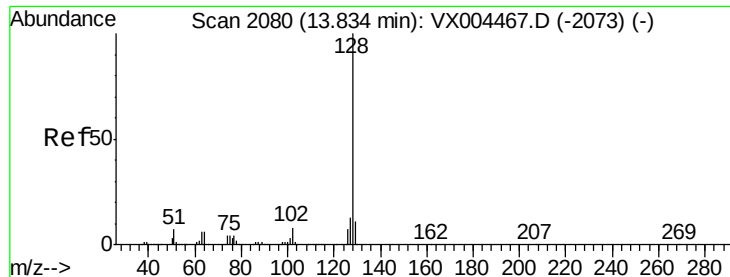
#94
Hexachlorobutadiene
Concen: 21.190 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47738		
223	62.9	30.1	90.5	
227	64.4	30.8	92.4	



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





#95
Naphthalene
Concen: 19.610 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

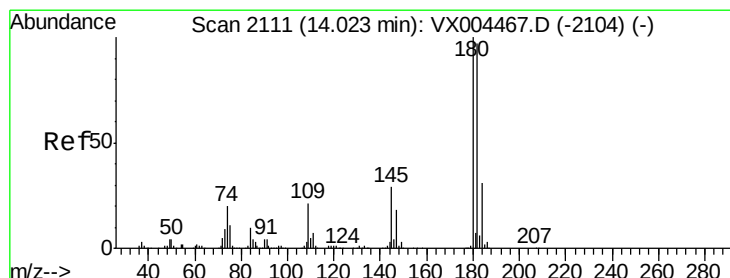
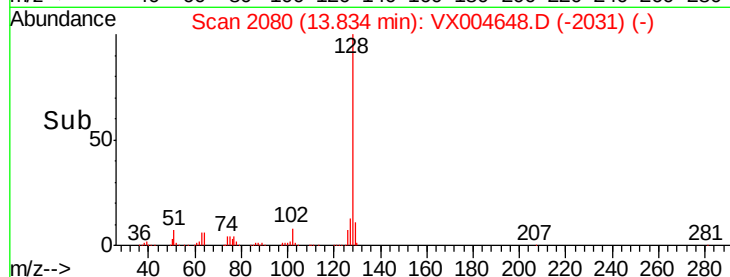
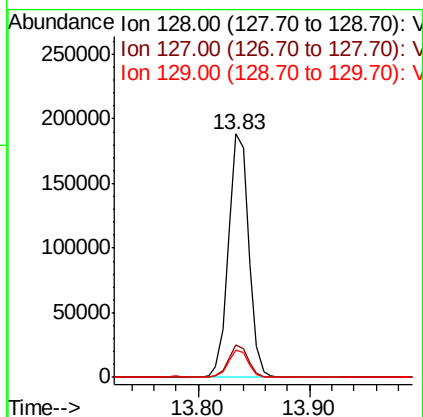
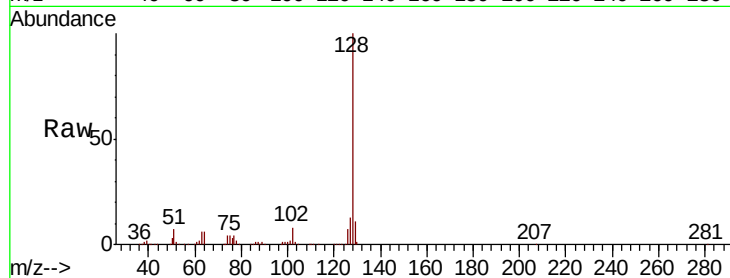
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	237224		
127	12.9	10.2	15.2	
129	10.9	8.6	12.8	

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#96
1,2,3-Trichlorobenzene
Concen: 20.508 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004648.D
Acq: 18 Sep 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90871		
182	95.7	48.5	145.6	
145	29.1	14.9	44.9	

