

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090418\
 Data File : VX004342.D
 Acq On : 04 Sep 2018 13:04
 Operator : JC/MD
 Sample : VX0904WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 4:52:22 PM

Quant Time: Sep 05 07:04:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	177454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160778	69.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.02%	
35) Dibromofluoromethane	5.50	113	131343	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
50) Toluene-d8	8.71	98	457352	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	11.14	95	181188	56.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	26430	12.86	ug/l	96
3) Chloromethane	1.32	50	52008	23.05	ug/l	98
4) Vinyl Chloride	1.40	62	43763	18.82	ug/l	99
5) Bromomethane	1.63	94	27178	22.60	ug/l	99
6) Chloroethane	1.71	64	38025	22.16	ug/l	99
7) Trichlorofluoromethane	1.92	101	48070	15.09	ug/l	90
8) Diethyl Ether	2.18	74	38314	28.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	27367	13.71	ug/l	99
10) Methyl Iodide	2.50	142	39595	20.35	ug/l	98
11) Tert butyl alcohol	3.08	59	82218	166.76	ug/l	99
12) 1,1-Dichloroethene	2.37	96	34984	18.61	ug/l	98
13) Acrolein	2.29	56	19714	165.86	ug/l	98
14) Allyl chloride	2.72	41	90231	26.12	ug/l	94
15) Acrylonitrile	3.15	53	193121	158.17	ug/l	100
16) Acetone	2.45	43	163385	170.48	ug/l	100
17) Carbon Disulfide	2.56	76	88766	17.53	ug/l	100
18) Methyl Acetate	2.78	43	138814	40.44	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	179800	29.02	ug/l	98
20) Methylene Chloride	2.85	84	61392	27.57	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	45478	21.86	ug/l	96
22) Diisopropyl ether	3.87	45	175154	27.16	ug/l	95
23) Vinyl Acetate	3.82	43	701592	134.23	ug/l	99
24) 1,1-Dichloroethane	3.69	63	94631	25.18	ug/l	98
25) 2-Butanone	4.70	43	247758	158.83	ug/l	98
26) 2,2-Dichloropropane	4.57	77	62135	21.08	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	57701	24.45	ug/l	100
28) Bromochloromethane	5.01	49	48621	29.22	ug/l	99
29) Tetrahydrofuran	5.16	42	155403	156.38	ug/l	99
30) Chloroform	5.21	83	99140	26.31	ug/l	97
31) Cyclohexane	5.57	56	43700	13.48	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	65304	20.78	ug/l	99
36) 1,1-Dichloropropene	5.79	75	52854	15.29	ug/l	99
37) Ethyl Acetate	4.86	43	85318	25.10	ug/l	100
38) Carbon Tetrachloride	5.78	117	50292	15.47	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39549	10.02	ug/l	96
40) Benzene	6.14	78	214865	20.81	ug/l	100
41) Methacrylonitrile	5.06	41	50676	25.72	ug/l	98
42) 1,2-Dichloroethane	6.20	62	81128	23.03	ug/l	99
43) Isopropyl Acetate	6.46	43	124850	23.91	ug/l	99
44) Trichloroethene	7.21	130	52522	18.37	ug/l	99
45) 1,2-Dichloropropane	7.52	63	58432	22.61	ug/l	97
46) Dibromomethane	7.67	93	39634	23.03	ug/l	99
47) Bromodichloromethane	7.90	83	72255	22.57	ug/l	99
48) Methyl methacrylate	7.77	41	66506	23.80	ug/l	100
49) 1,4-Dioxane	7.76	88	34648	546.09	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	466522	122.94	ug/l	98
52) Toluene	8.79	92	133809	20.70	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	79090	22.36	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	88550	22.99	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	63292	24.26	ug/l	96
56) Ethyl methacrylate	9.18	69	81940	23.07	ug/l	99
57) 1,3-Dichloropropane	9.37	76	106416	24.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	218574	120.09	ug/l	100
59) 2-Hexanone	9.50	43	357079	123.35	ug/l	99
60) Dibromochloromethane	9.59	129	59077	23.24	ug/l	99
61) 1,2-Dibromoethane	9.67	107	65442	24.23	ug/l	98
64) Tetrachloroethene	9.34	164	53306	17.72	ug/l	98
65) Chlorobenzene	10.14	112	146845	19.21	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	54529	20.69	ug/l	98
67) Ethyl Benzene	10.25	91	212216	17.10	ug/l	97
68) m/p-Xylenes	10.36	106	173877	35.83	ug/l	92
69) o-Xylene	10.70	106	90630	19.74	ug/l	99
70) Styrene	10.71	104	156372	21.04	ug/l	99
71) Bromoform	10.86	173	44919	21.14	ug/l #	97
73) Isopropylbenzene	11.02	105	219926	17.18	ug/l	100
74) N-amyl acetate	10.90	43	101061	20.51	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	96628	21.58	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	91515m	23.09	ug/l	
77) Bromobenzene	11.26	156	72888	20.30	ug/l	98
78) n-propylbenzene	11.36	91	245693	16.69	ug/l	99
79) 2-Chlorotoluene	11.42	91	174161	19.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	195196	18.42	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	25610	20.97	ug/l	96
82) 4-Chlorotoluene	11.51	91	201718	18.92	ug/l	99
83) tert-Butylbenzene	11.77	119	180302	16.91	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	208088	19.13	ug/l	99
85) sec-Butylbenzene	11.94	105	202668	16.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	188571	16.62	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	131090	19.39	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	128191	17.99	ug/l	97
89) n-Butylbenzene	12.39	91	135855	14.73	ug/l	97
90) Hexachloroethane	12.60	117	26906	16.97	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	122906	19.90	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17731	22.48	ug/l	98

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ClientSampleId :
VX0904WBS01

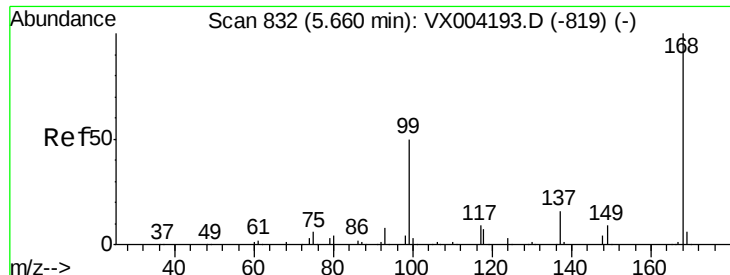
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	84784	18.86	ug/l	98
94) Hexachlorobutadiene	13.79	225	33296	15.83	ug/l	97
95) Naphthalene	13.83	128	282290	22.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97413	20.47	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion:168 Resp: 177454

Ion Ratio Lower Upper

168 100

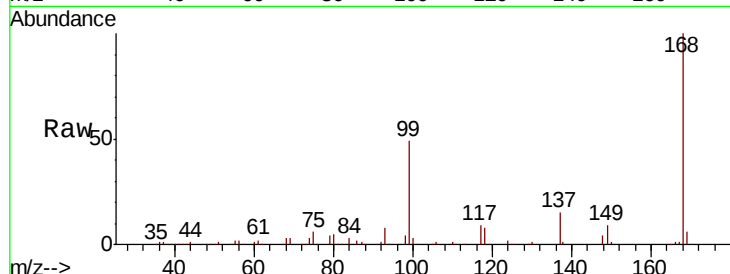
99 49.2 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

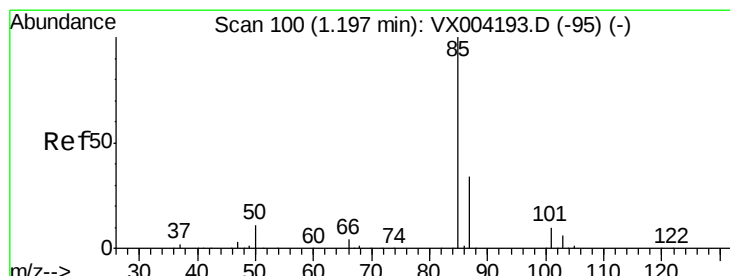
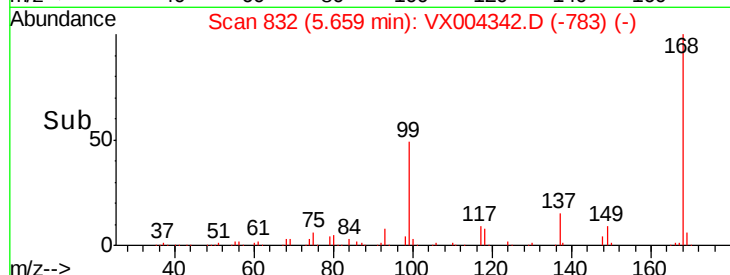
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 12.86 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004342.D

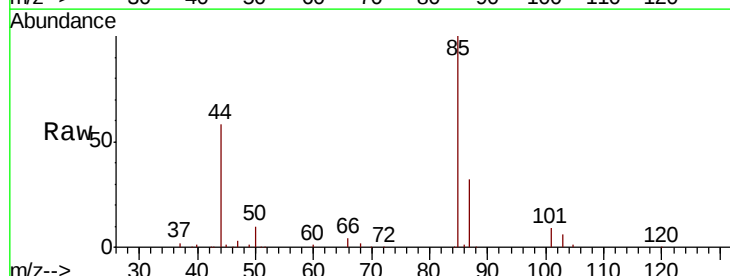
Acq: 04 Sep 2018 13:04

Tgt Ion: 85 Resp: 26430

Ion Ratio Lower Upper

85 100

87 31.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

30000

25000

20000

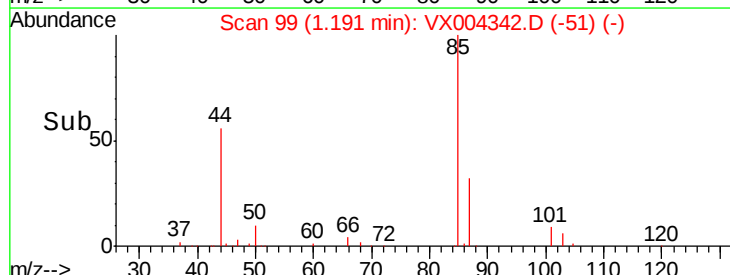
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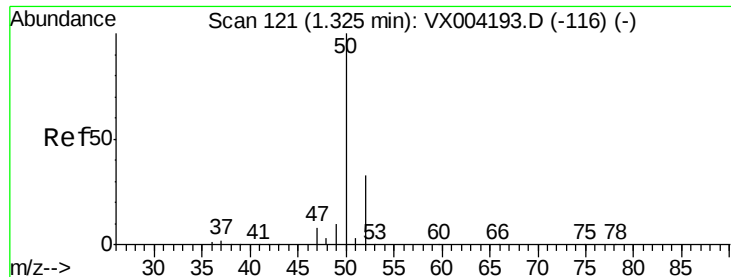
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 23.05 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 50 Resp: 52008

Ion Ratio Lower Upper

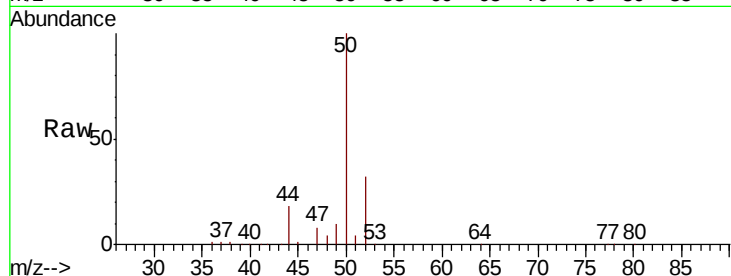
50 100

52 31.6 26.2 39.2

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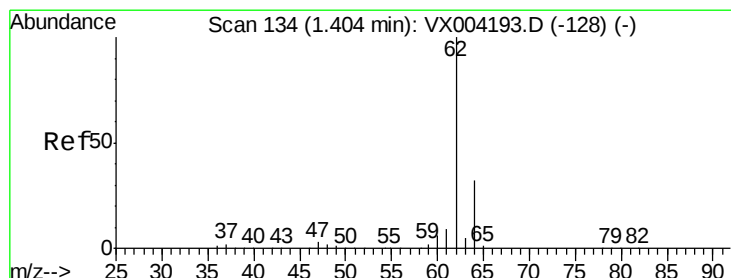
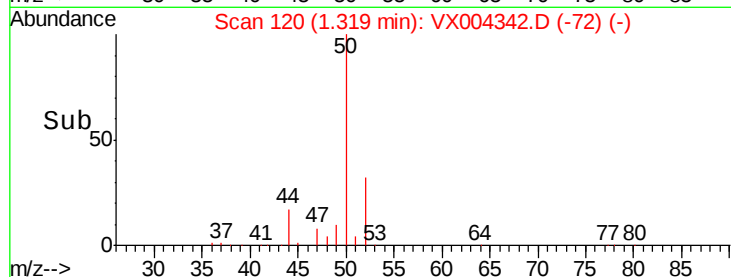
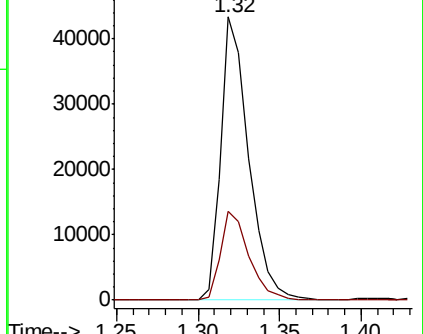
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.82 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004342.D

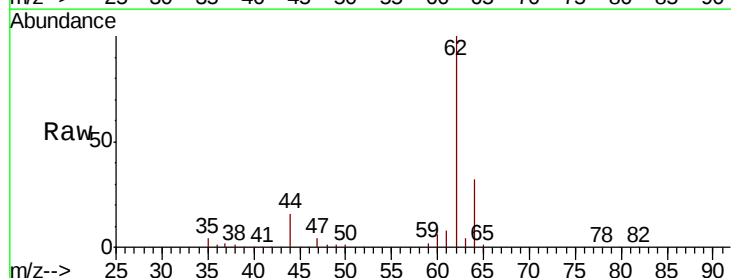
Acq: 04 Sep 2018 13:04

Tgt Ion: 62 Resp: 43763

Ion Ratio Lower Upper

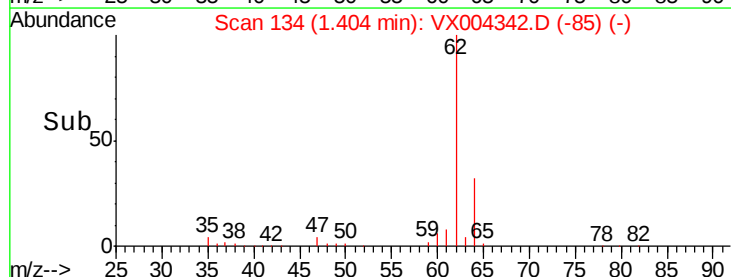
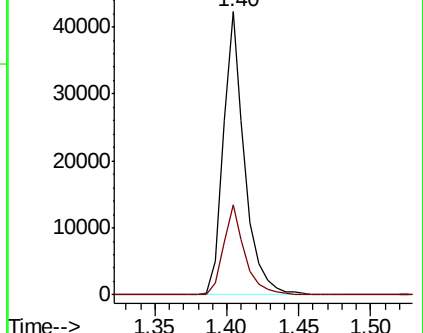
62 100

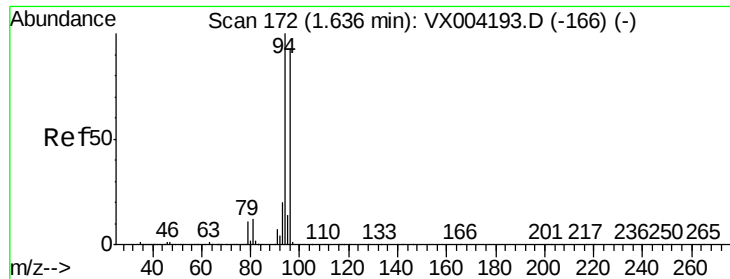
64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.60 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 94 Resp: 27178

Ion Ratio Lower Upper

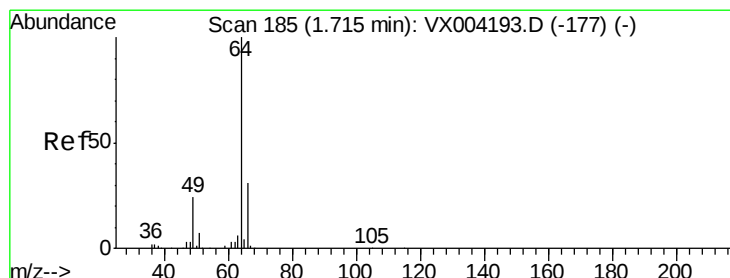
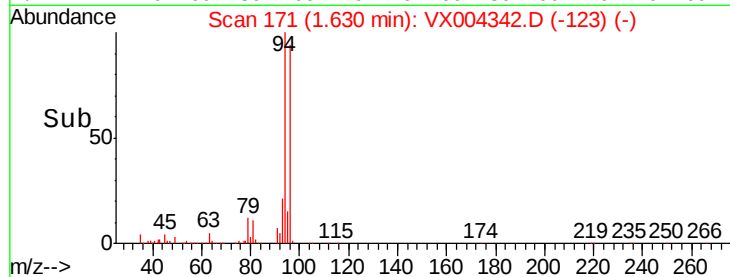
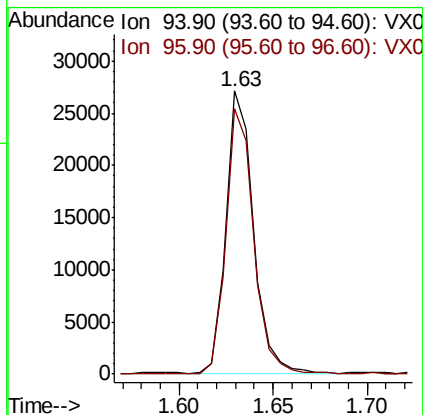
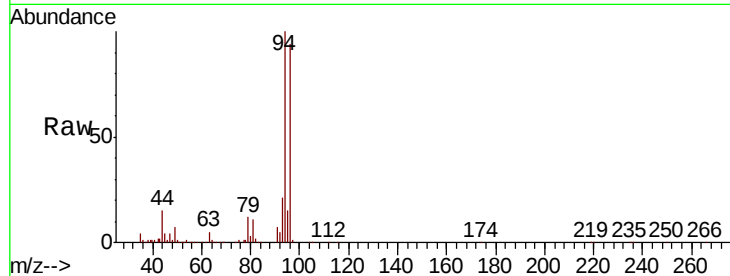
94 100

96 94.1 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 22.16 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004342.D

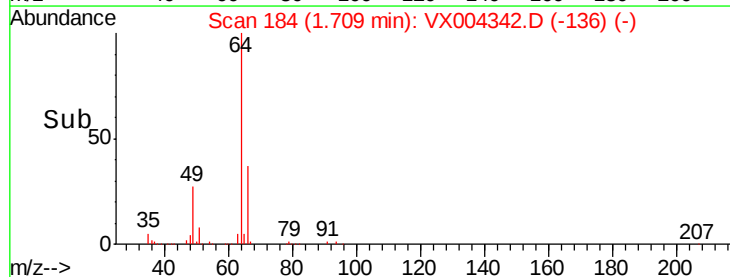
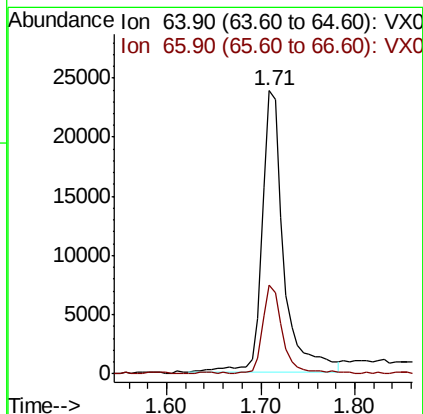
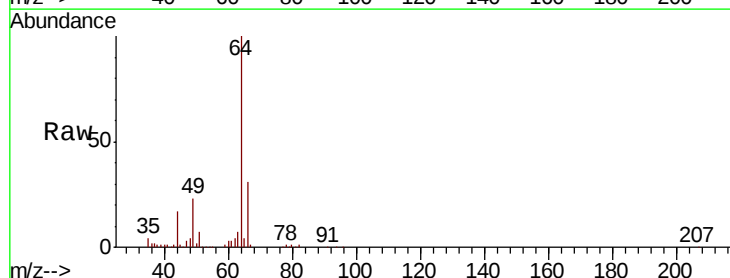
Acq: 04 Sep 2018 13:04

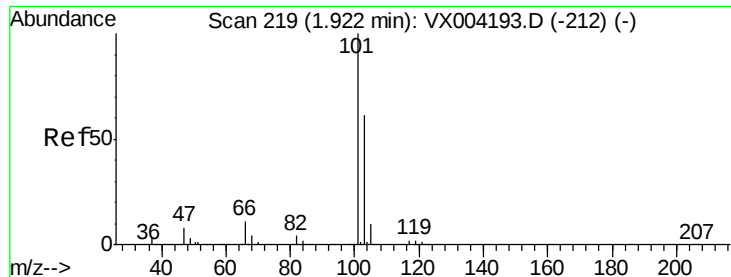
Tgt Ion: 64 Resp: 38025

Ion Ratio Lower Upper

64 100

66 31.4 24.6 36.8





#7

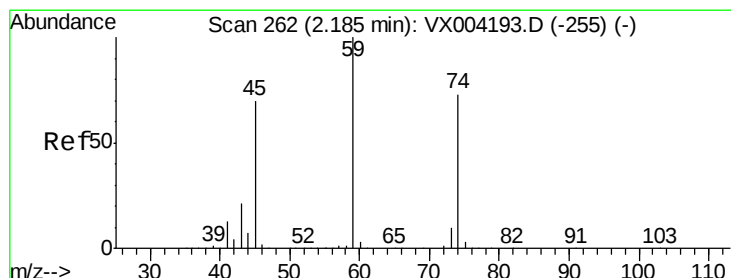
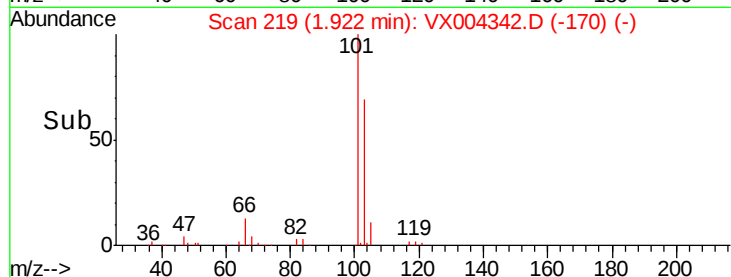
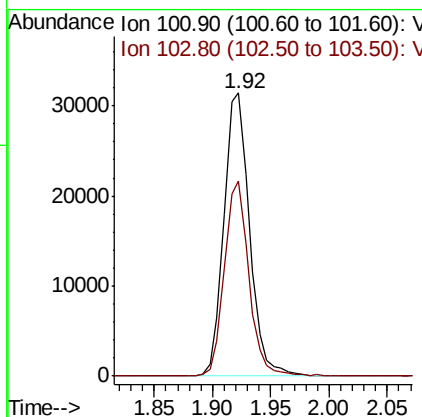
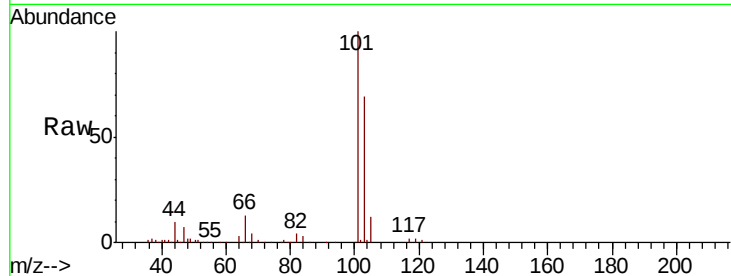
Trichlorofluoromethane
 Concen: 15.09 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
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 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	48.9	73.3

Manual Integrations
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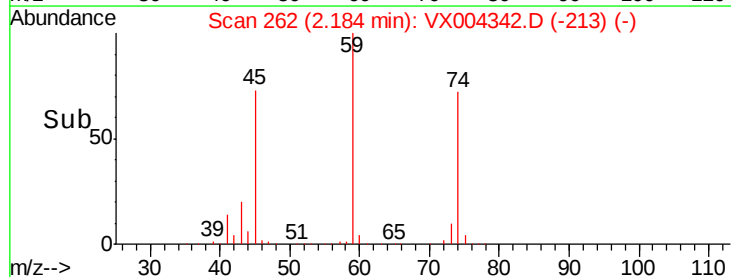
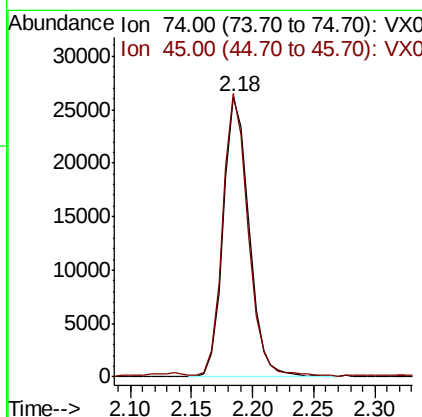
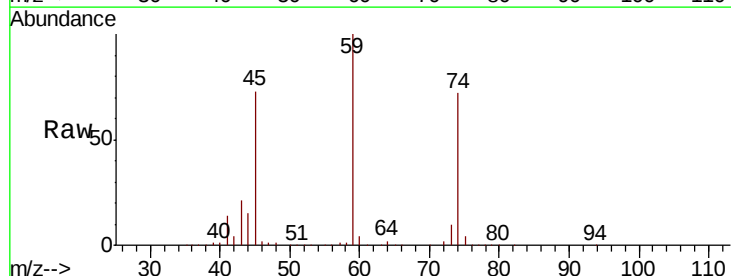
MMDadoda
 9/5/2018 4:52:22 PM

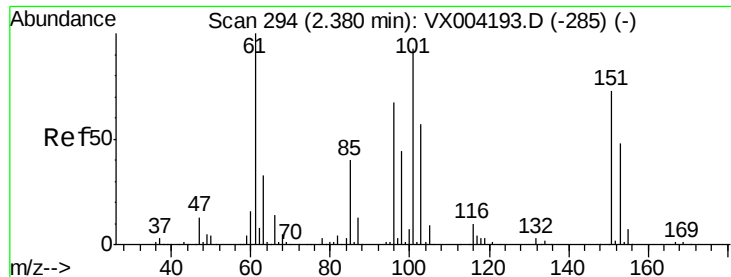


#8

Diethyl Ether
 Concen: 28.08 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.71 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

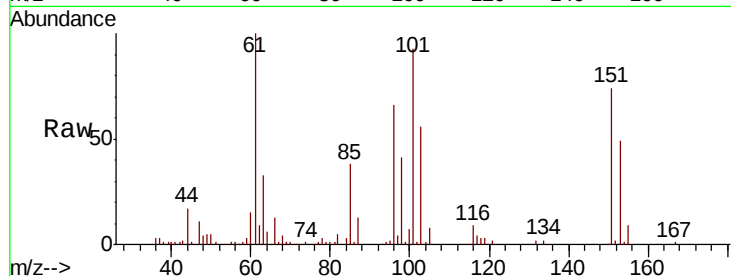
ClientSampleId :

VX0904WBS01

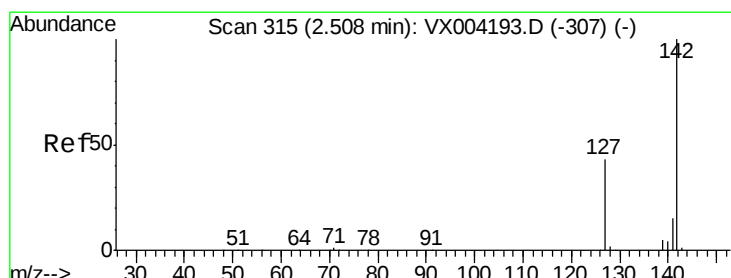
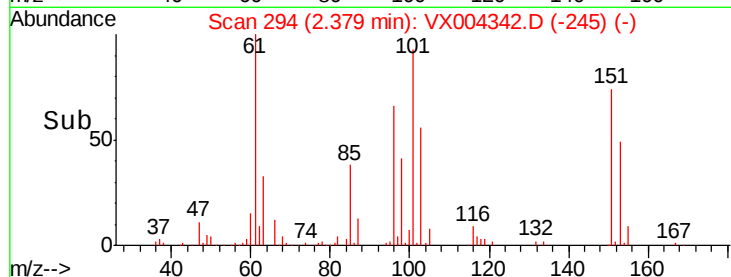
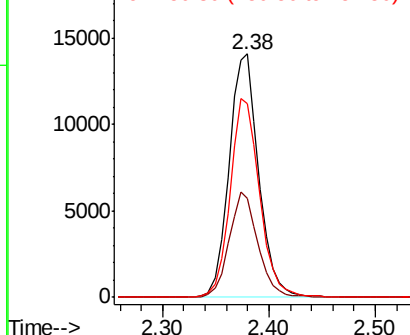
Tot Ion:	101	Resp:	27367
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.4
151	81.4	65.0	97.6

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



#10

Methyl Iodide

Concen: 20.35 ug/l

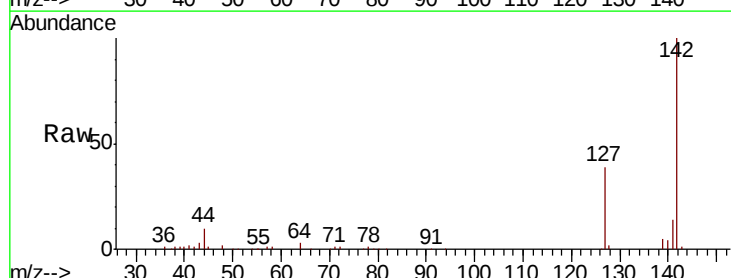
RT: 2.50 min Scan# 314

Delta R.T. -0.01 min

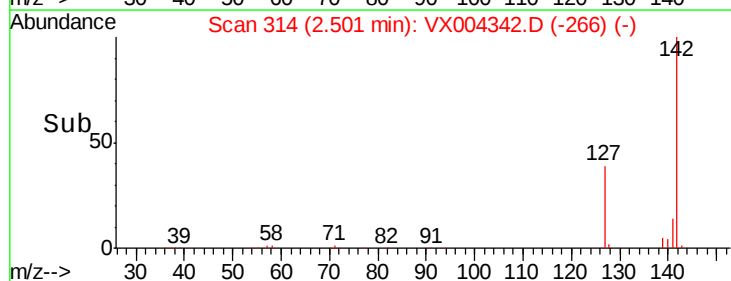
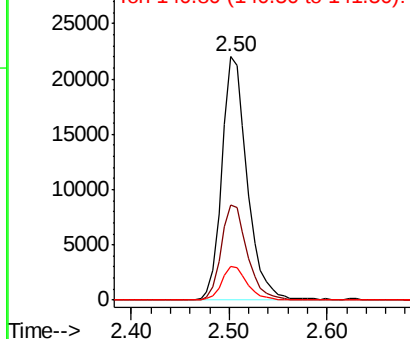
Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Tgt Ion:	142	Resp:	39595
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.8	50.6
141	13.9	11.4	17.0



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





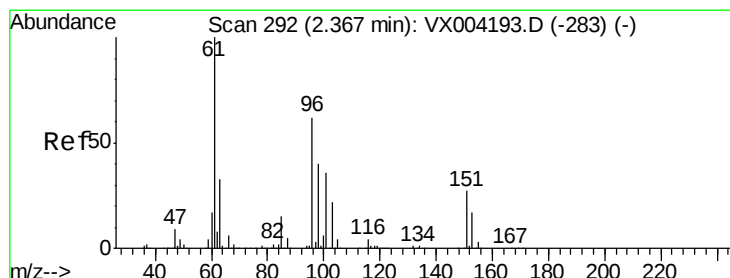
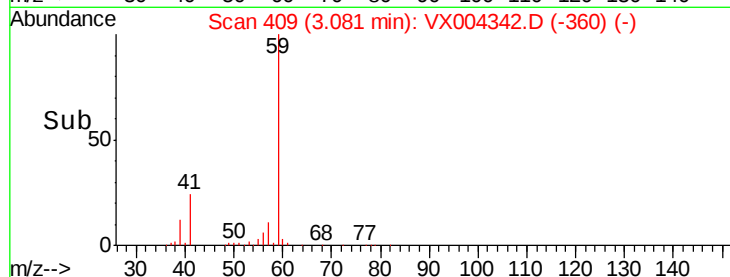
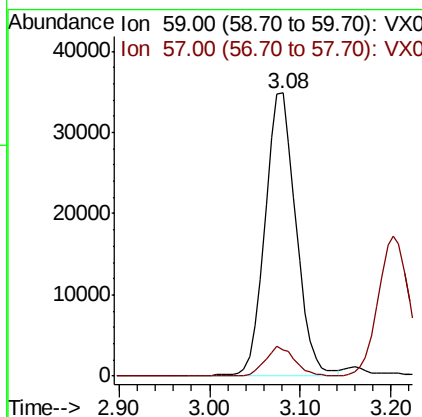
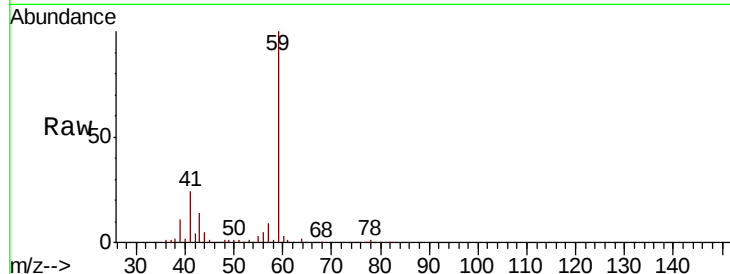
#11
Tert butyl alcohol
Concen: 166.76 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

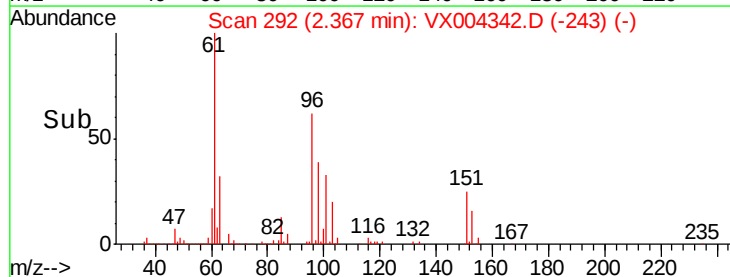
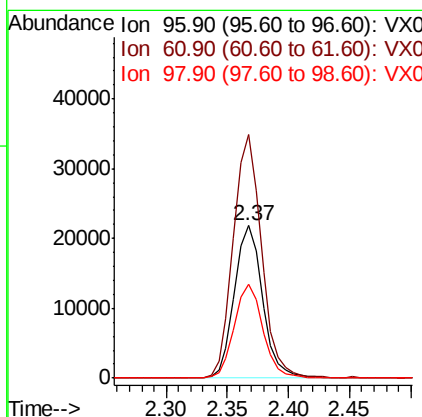
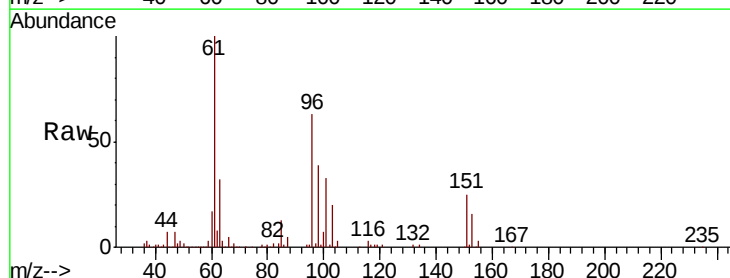
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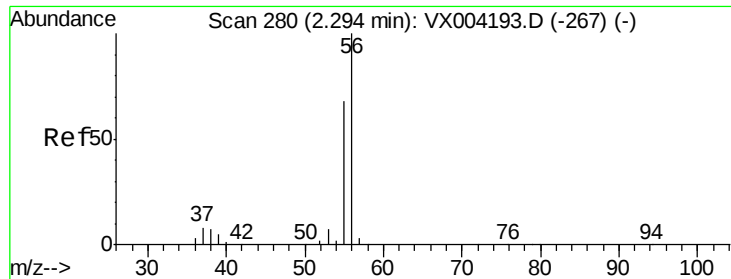
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#12
1,1-Dichloroethene
Concen: 18.61 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	128.8	193.2
98	61.6	52.2	78.2





#13

Acrolein

Concen: 165.86 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampled :

VX0904WBS01

Tot Ion: 56 Resp: 19714

Ion Ratio Lower Upper

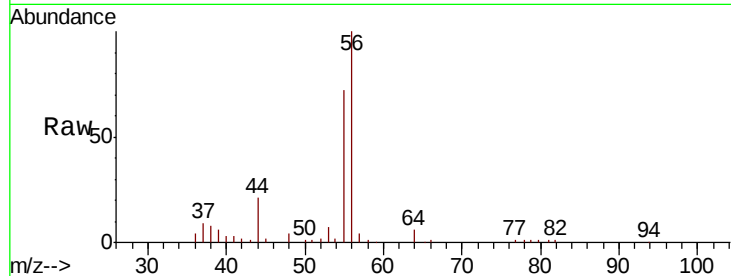
56 100

55 69.8 54.7 82.1

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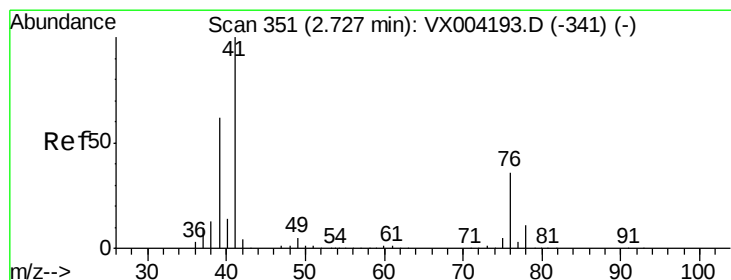
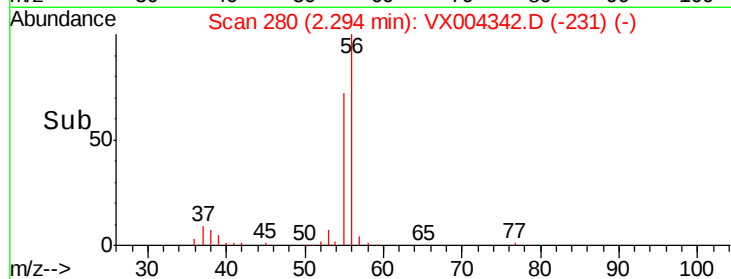
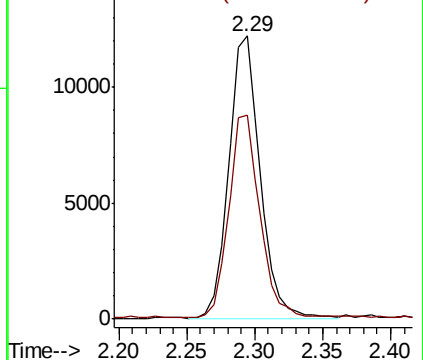
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 26.12 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

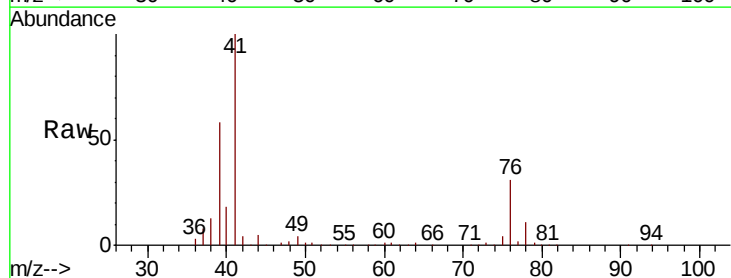
Tgt Ion: 41 Resp: 90231

Ion Ratio Lower Upper

41 100

39 55.7 48.9 73.3

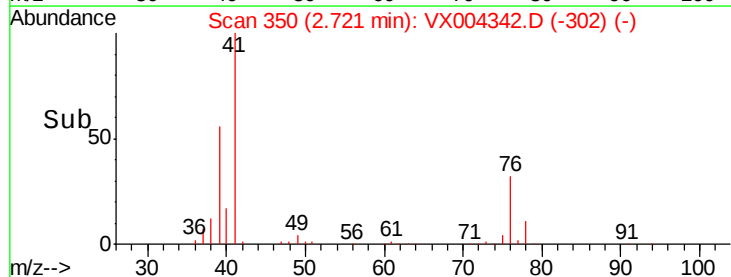
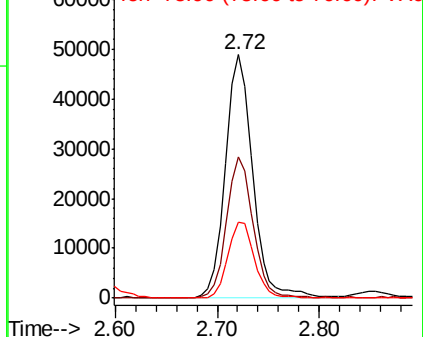
76 30.5 26.7 40.1



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: 158.17 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

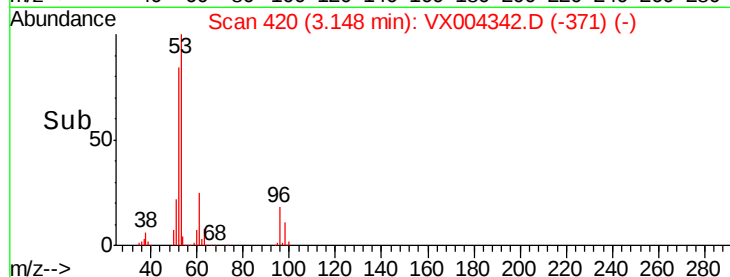
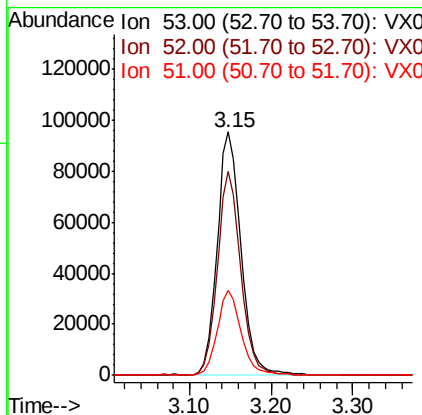
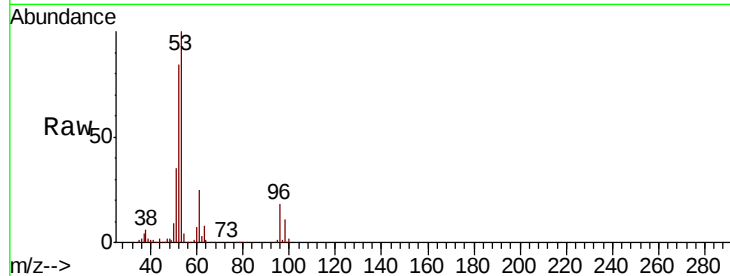
ClientSampleId :

VX0904WBS01

Tot Ion:	53	Resp:	193121
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.2	97.8
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 170.48 ug/l

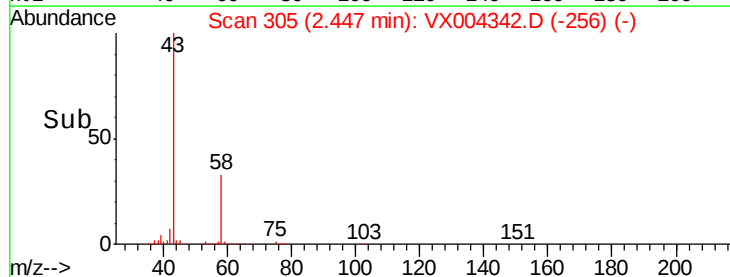
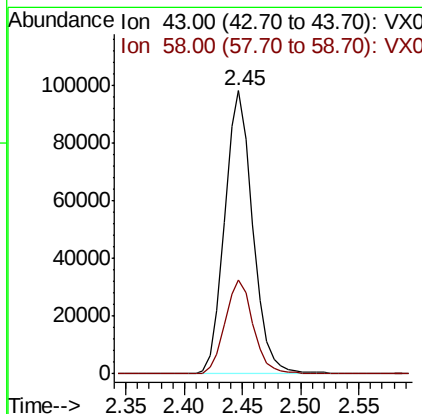
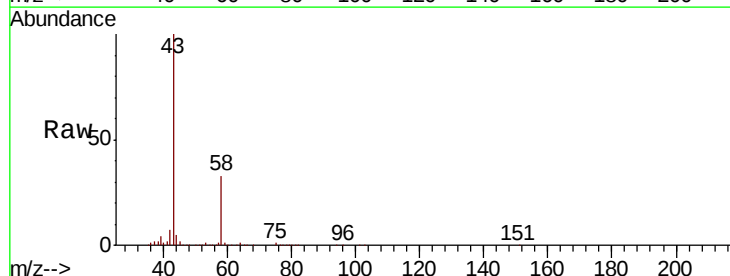
RT: 2.45 min Scan# 305

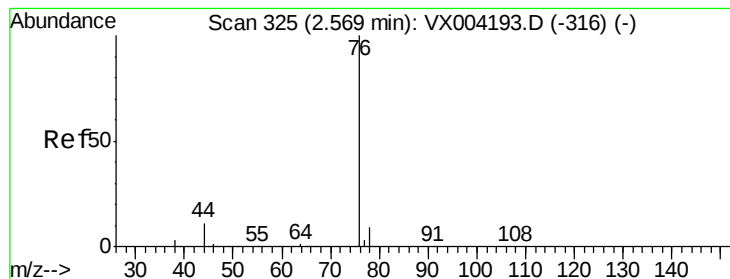
Delta R.T. 0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Tgt Ion:	43	Resp:	163385
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.2	39.4





#17

Carbon Disulfide

Concen: 17.53 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 76 Resp: 88766

Ion Ratio Lower Upper

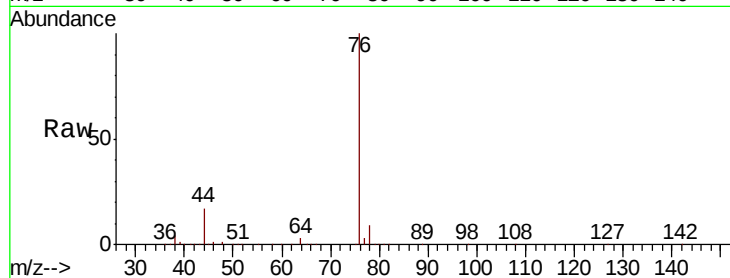
76 100

78 8.9 7.0 10.6

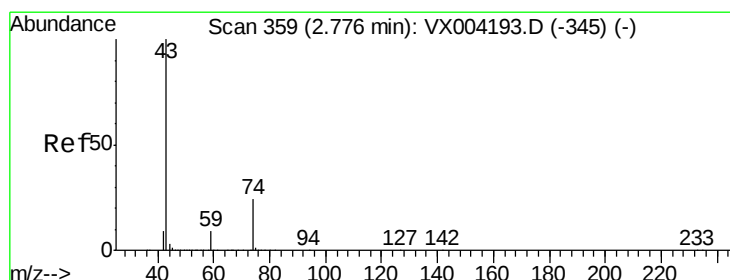
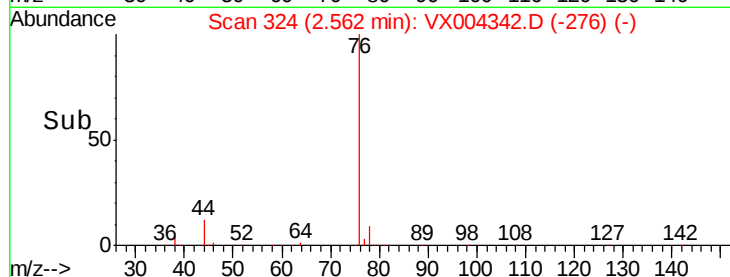
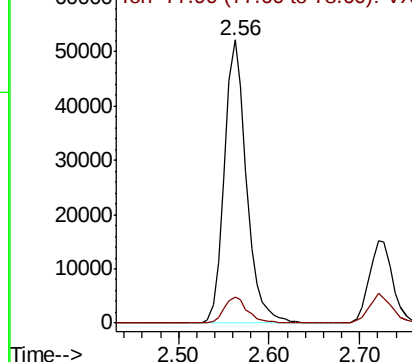
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Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 40.44 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004342.D

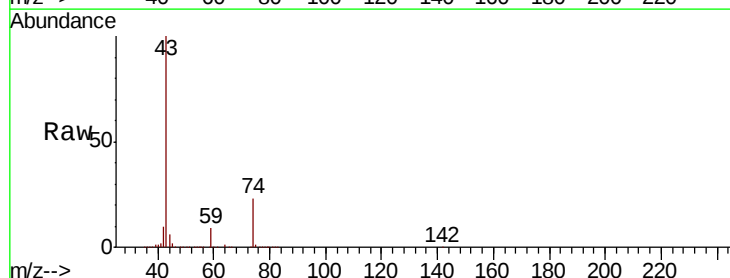
Acq: 04 Sep 2018 13:04

Tgt Ion: 43 Resp: 138814

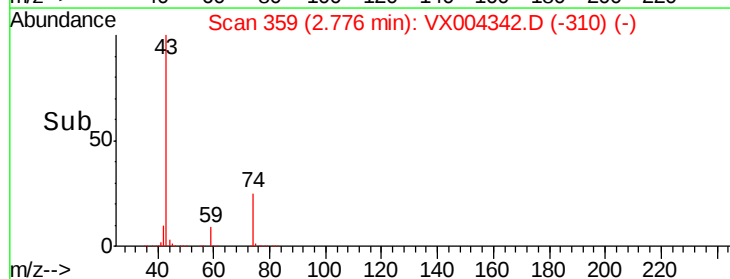
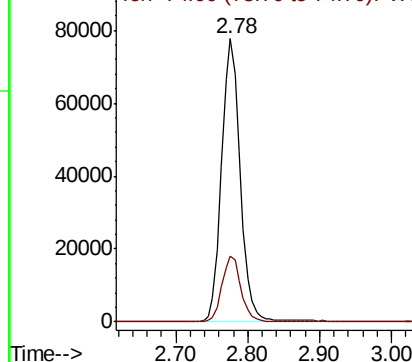
Ion Ratio Lower Upper

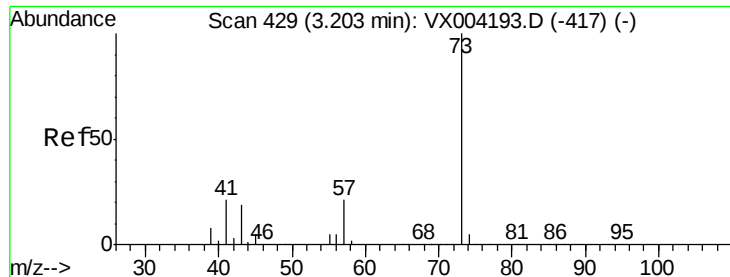
43 100

74 23.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





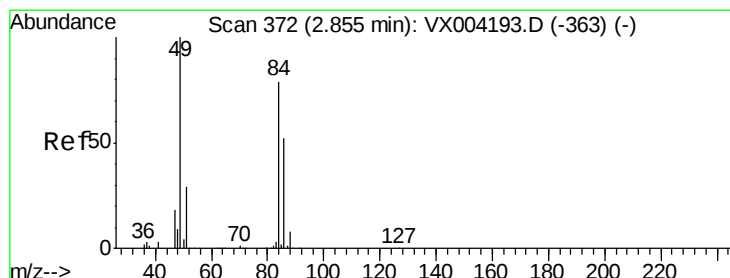
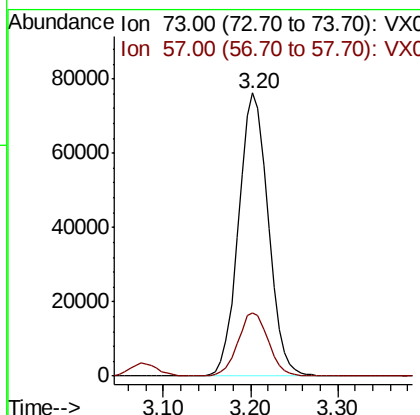
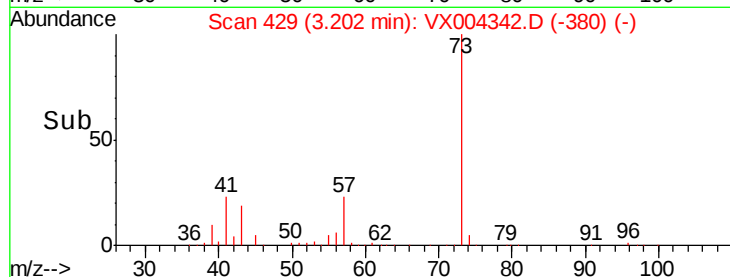
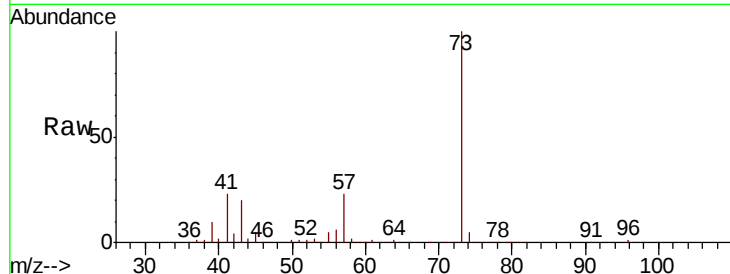
#19
Methvl tert-butvl Ether
Concen: 29.02 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion: 73 Resp: 179800
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7

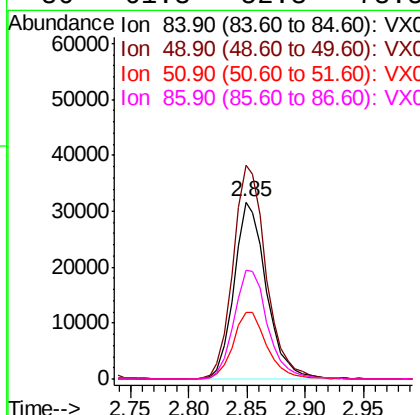
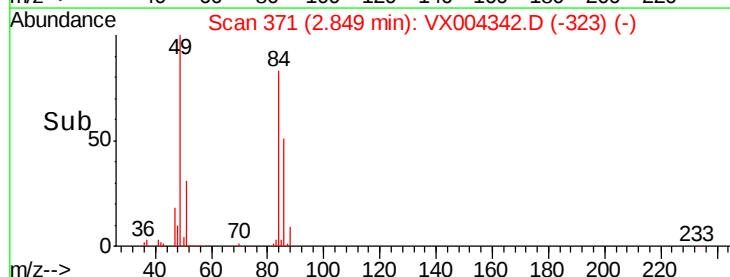
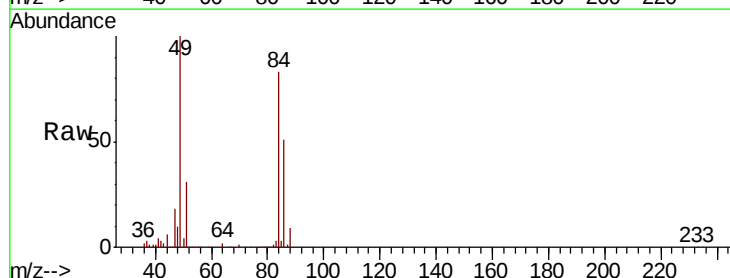
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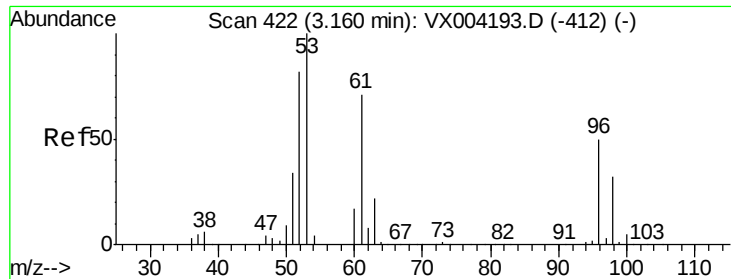
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#20
Methylene Chloride
Concen: 27.57 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion: 84 Resp: 61392
Ion Ratio Lower Upper
84 100
49 120.9 101.2 151.8
51 37.8 29.5 44.3
86 61.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.86 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 96 Resp: 45478

Ion Ratio Lower Upper

96 100

61 136.2 113.8 170.6

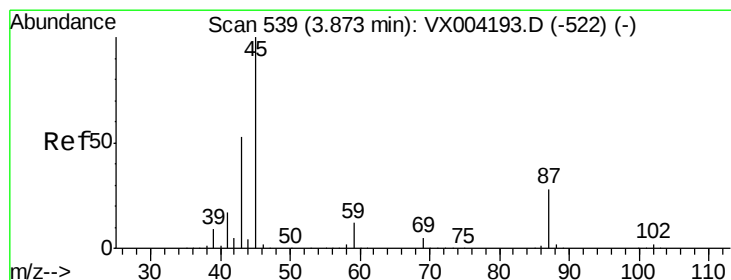
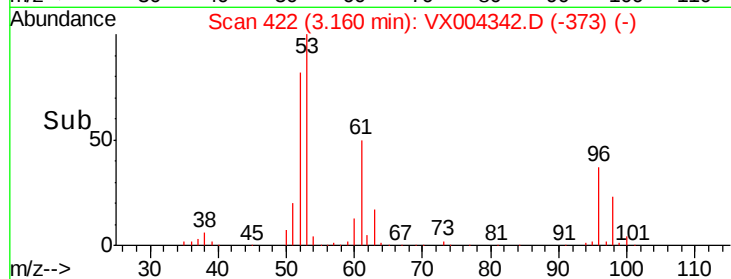
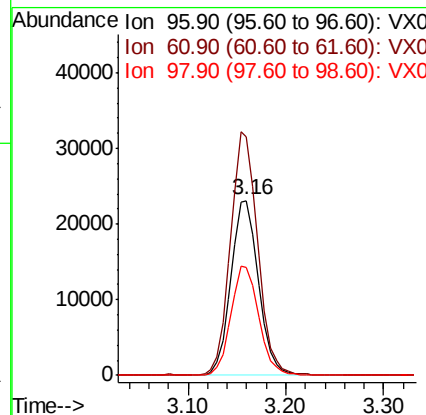
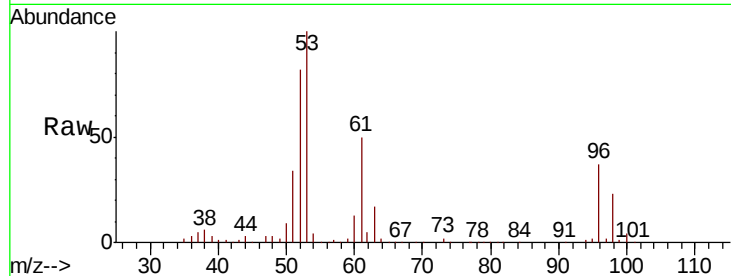
98 62.0 51.8 77.8

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#22

Diisopropyl ether

Concen: 27.16 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Tgt Ion: 45 Resp: 175154

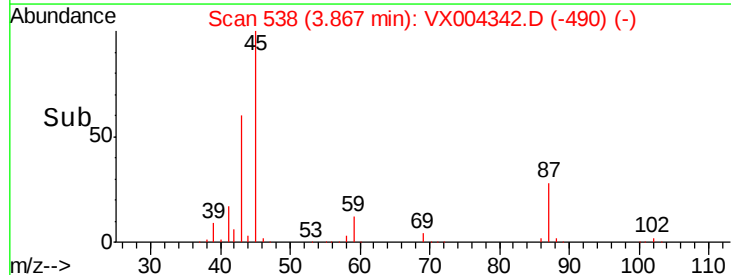
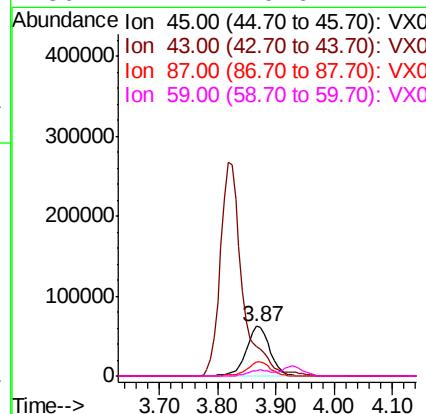
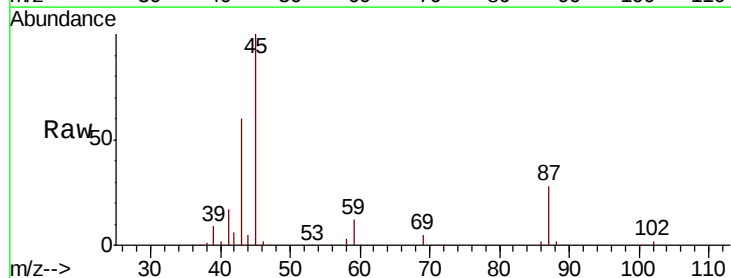
Ion Ratio Lower Upper

45 100

43 59.5 42.8 64.2

87 27.5 22.6 34.0

59 11.7 9.6 14.4





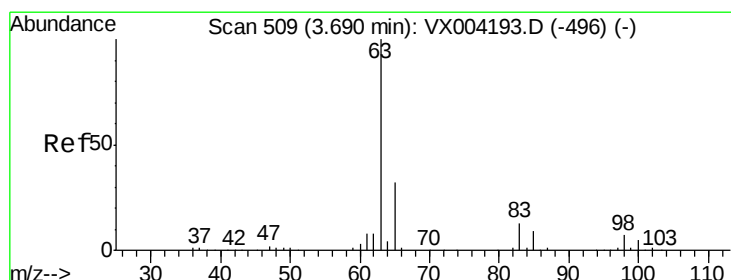
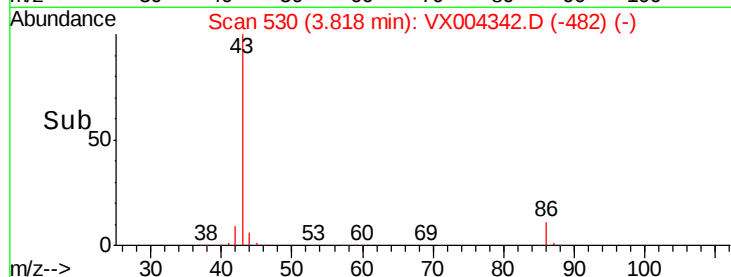
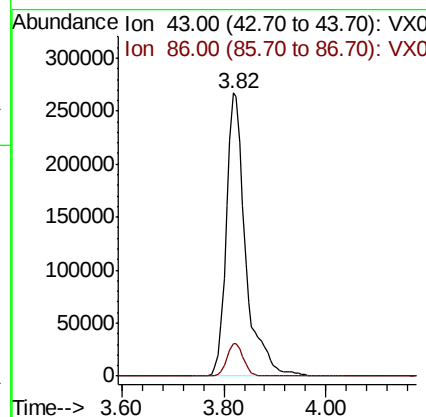
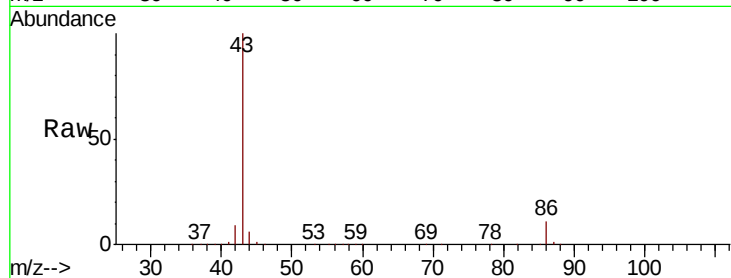
#23
 Vinyl Acetate
 Concen: 134.23 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.9	13.3

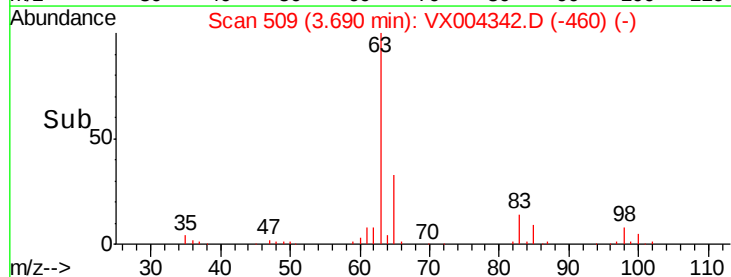
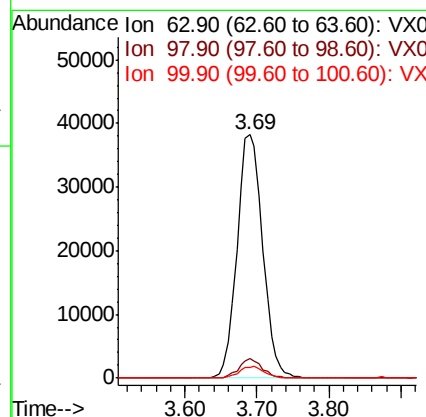
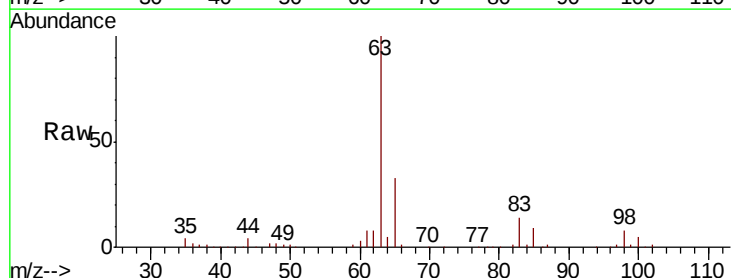
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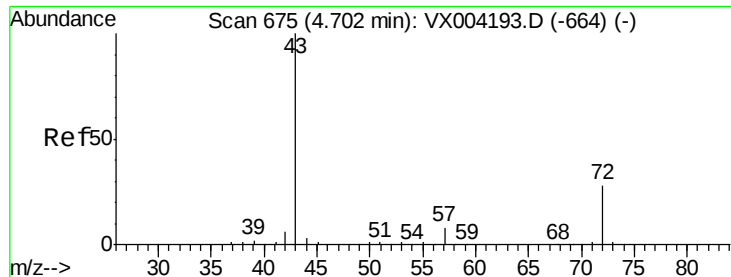
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 25.18 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.4
100	4.5	2.4	7.1





#25

2-Butanone

Concen: 158.83 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 43 Resp: 247758

Ion Ratio Lower Upper

43 100

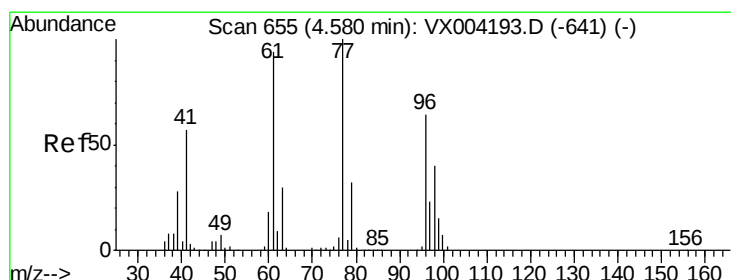
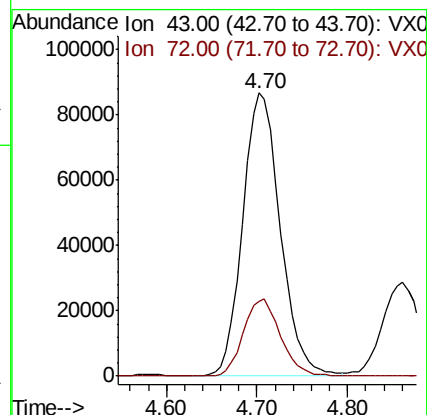
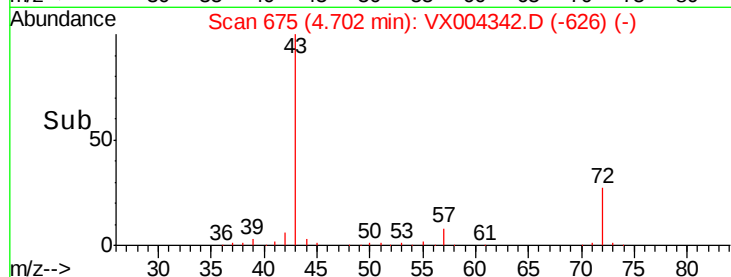
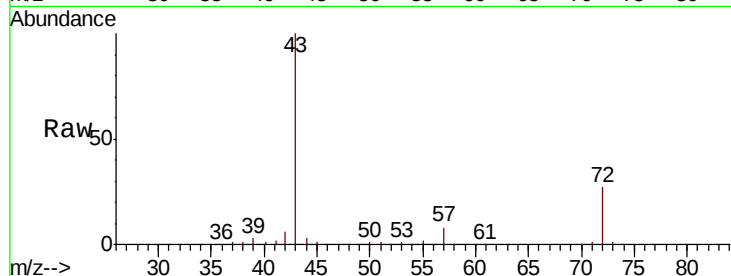
72 26.6 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.08 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX004342.D

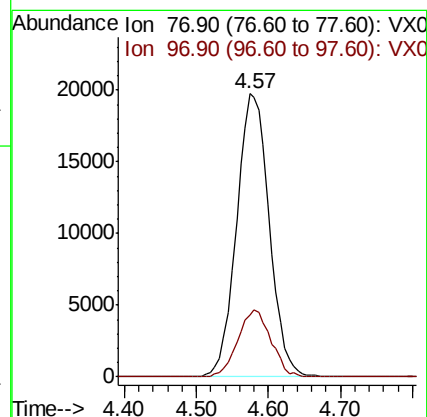
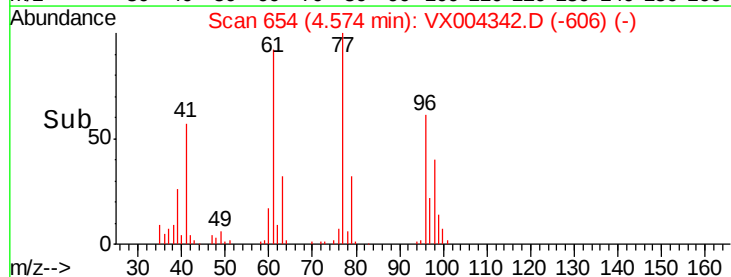
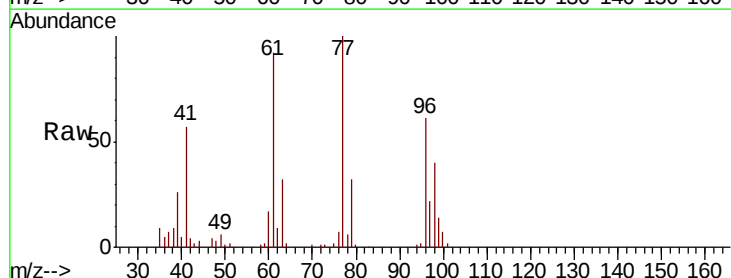
Acq: 04 Sep 2018 13:04

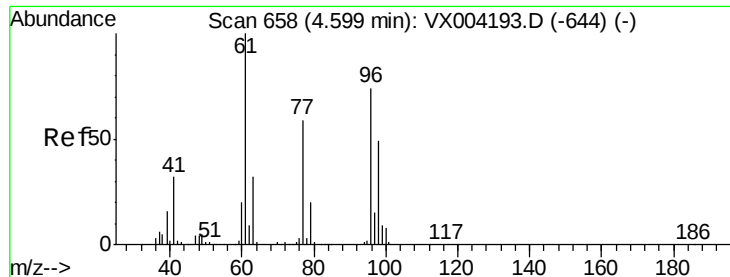
Tgt Ion: 77 Resp: 62135

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0





#27

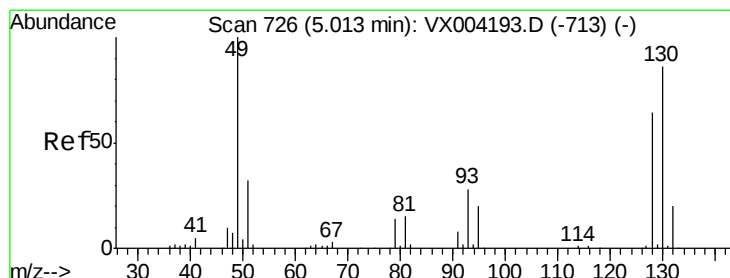
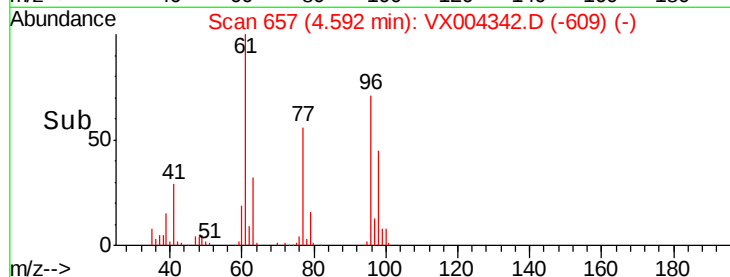
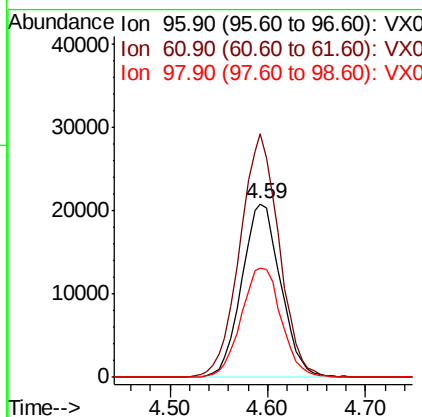
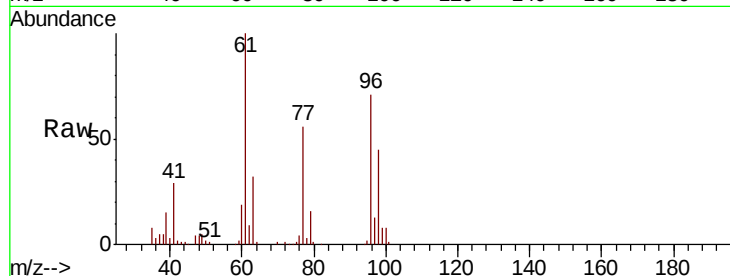
cis-1,2-Dichloroethene
Concen: 24.45 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	57701		
61	141.2		0.0	282.6
98	64.7		0.0	130.2

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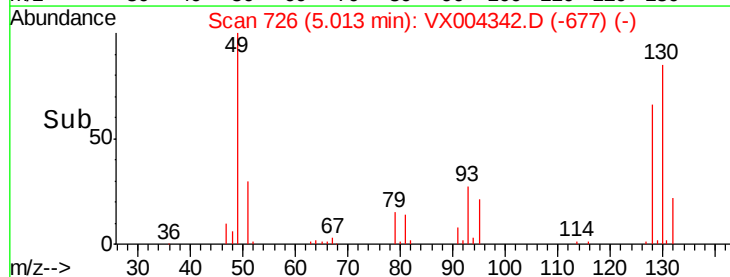
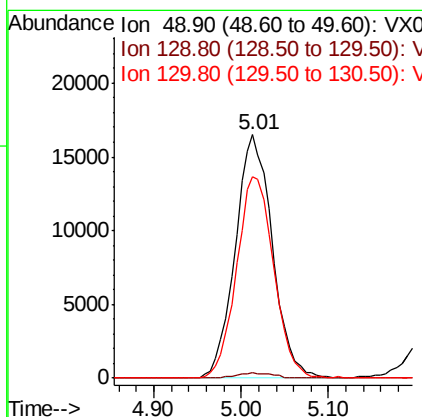
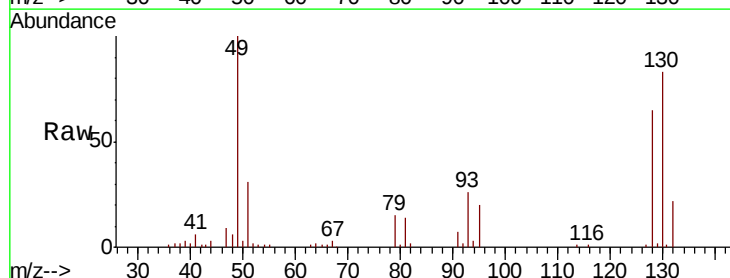
MMDadoda
9/5/2018 4:52:22 PM

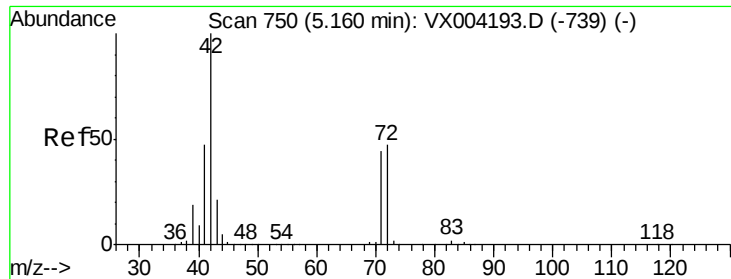


#28

Bromochloromethane
Concen: 29.22 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48621		
129	2.0		0.0	4.2
130	83.3		67.5	101.3





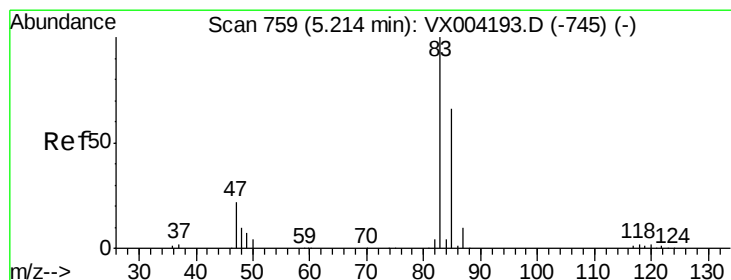
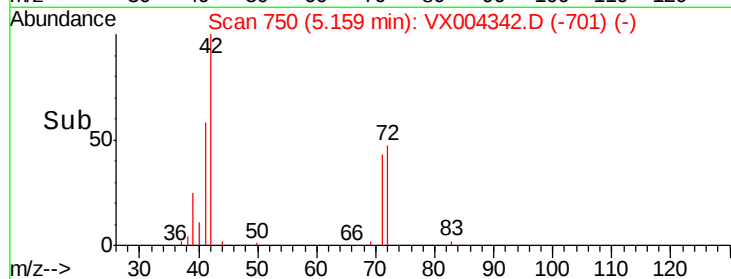
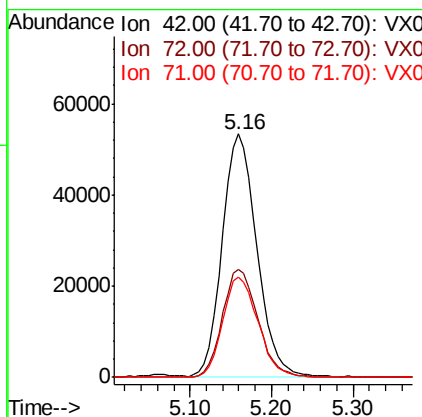
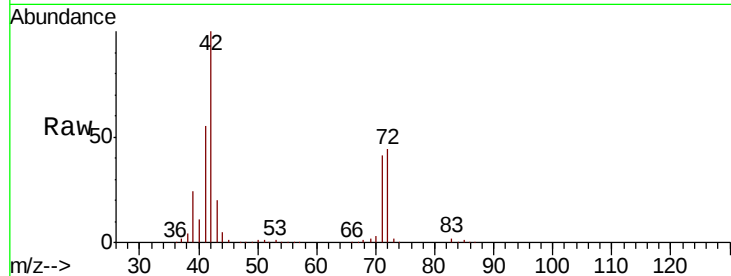
#29
Tetrahydrofuran
Concen: 156.38 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	42.5	34.5	51.7

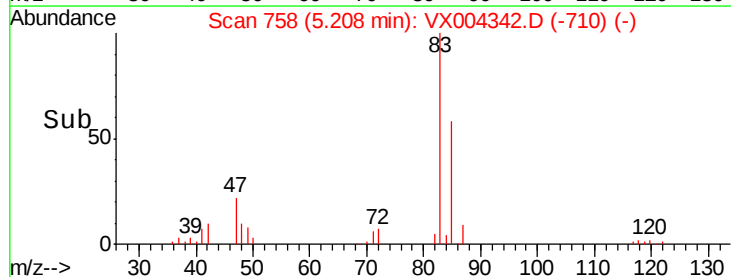
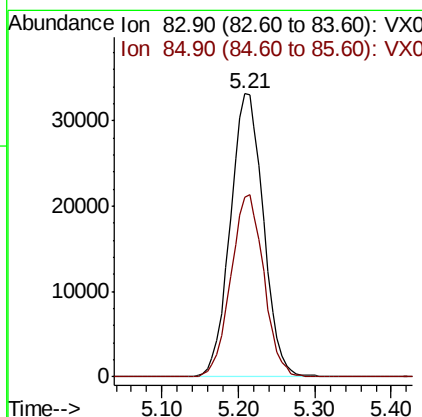
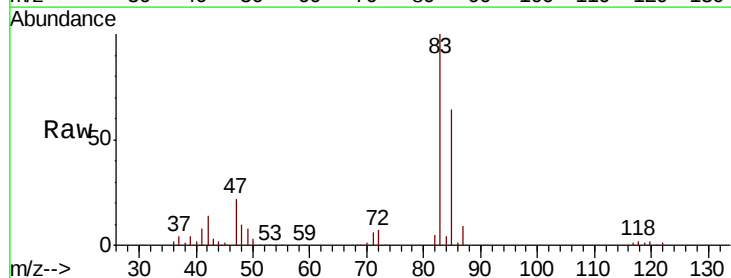
Manual Integrations
APPROVED

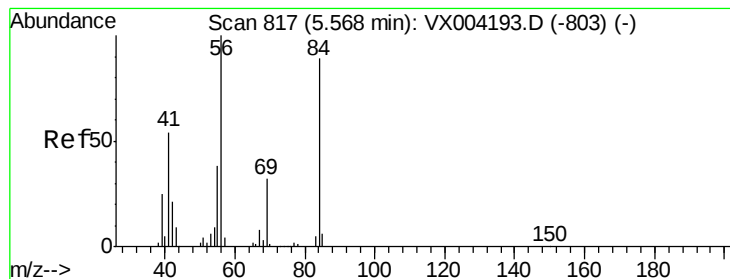
MMDadoda
9/5/2018 4:52:22 PM



#30
Chloroform
Concen: 26.31 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	79.0





#31

Cyclohexane

Concen: 13.48 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 56 Resp: 43700

Ion Ratio Lower Upper

56 100

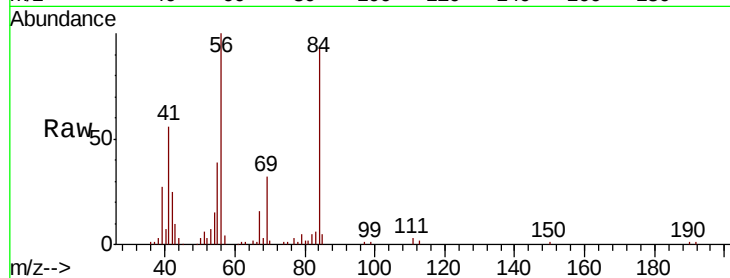
69 31.7 25.4 38.2

84 90.3 71.4 107.2

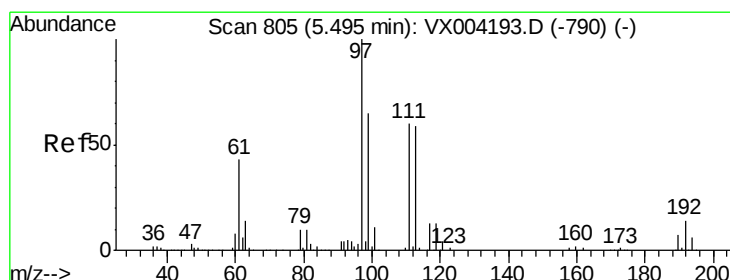
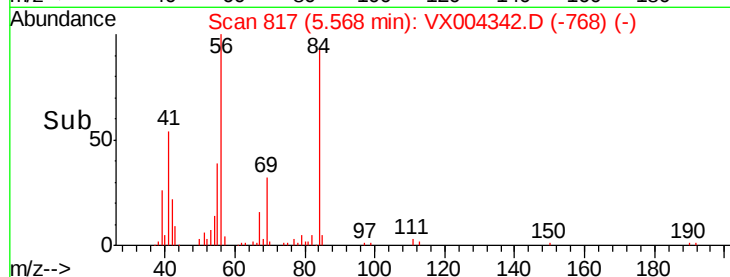
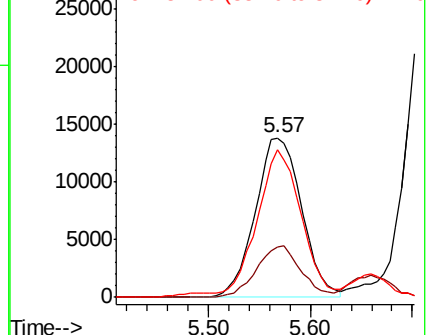
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.78 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

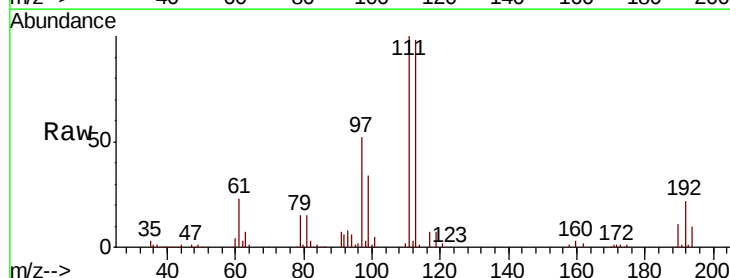
Tgt Ion: 97 Resp: 65304

Ion Ratio Lower Upper

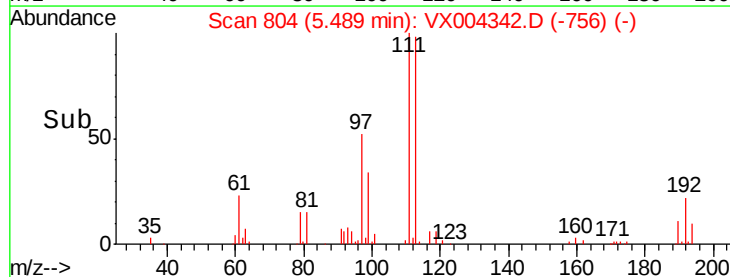
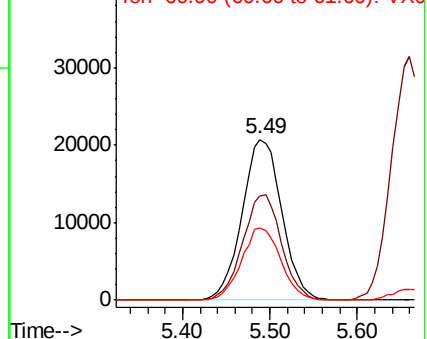
97 100

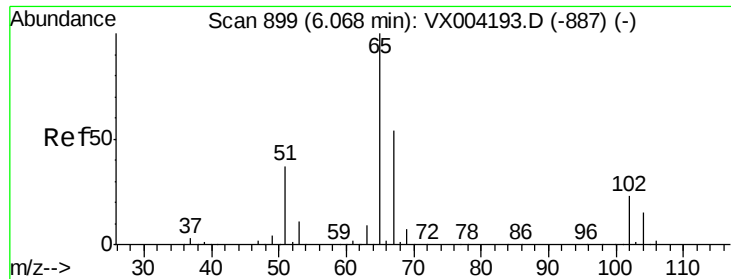
99 64.4 52.0 78.0

61 44.4 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





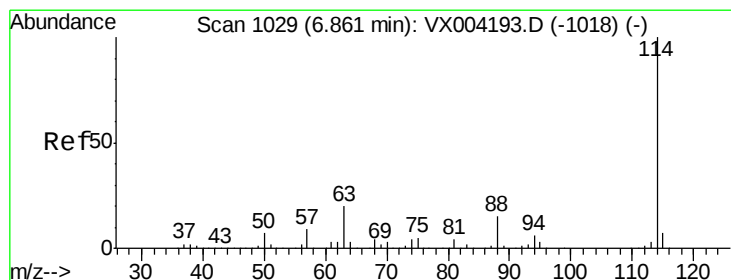
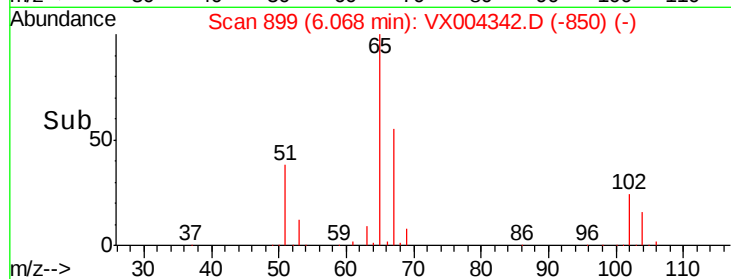
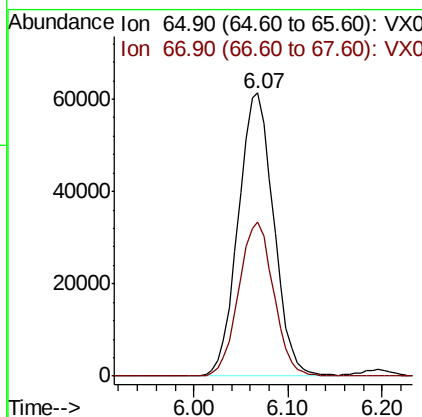
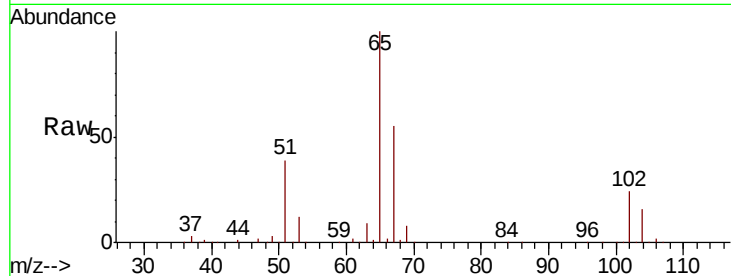
#33
 1,2-Dichloroethane-d4
 Concen: 69.51 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160778		
67	53.9	0.0	106.8	

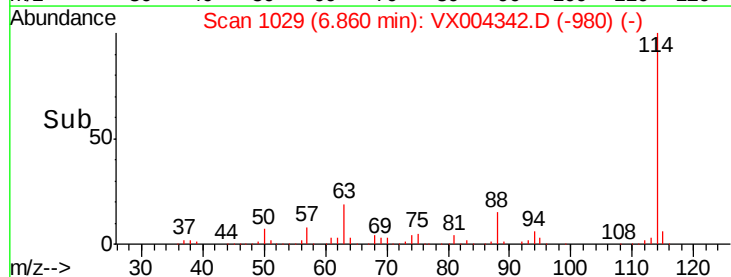
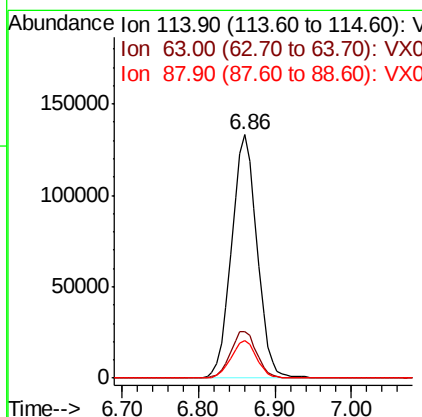
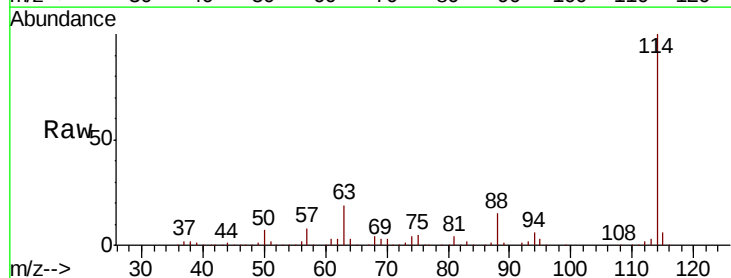
Manual Integrations
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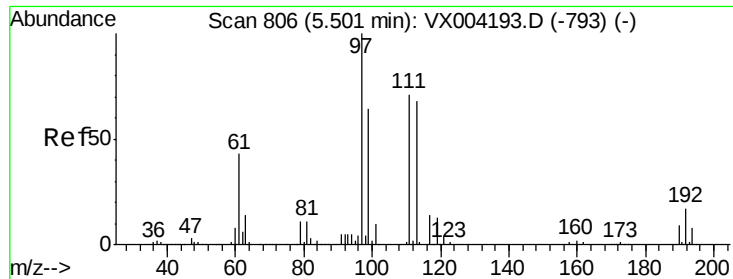
MMDadoda
 9/5/2018 4:52:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	307397		
63	19.2	0.0	39.0	
88	15.3	0.0	30.4	





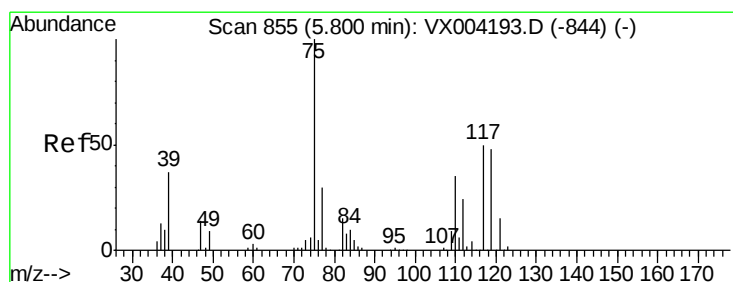
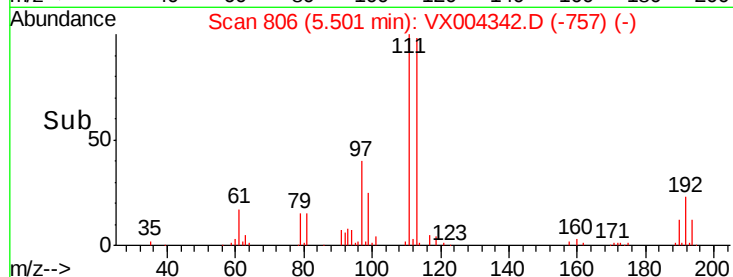
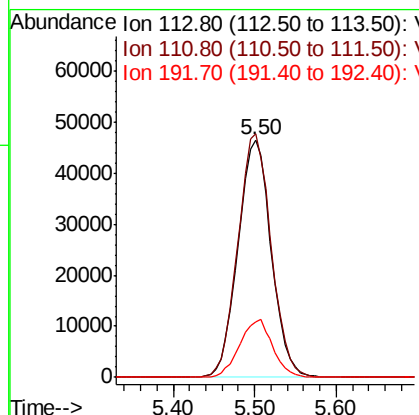
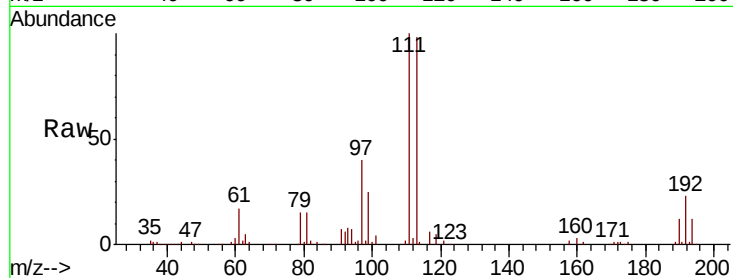
#35
 Dibromofluoromethane
 Concen: 57.43 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131343		
111	102.7	82.4	123.6	
192	24.2	19.4	29.2	

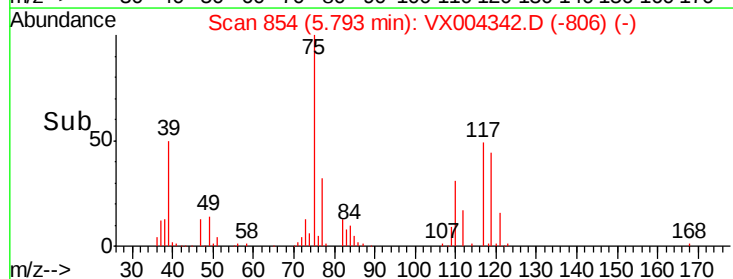
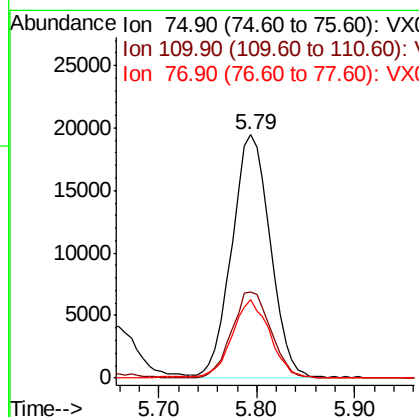
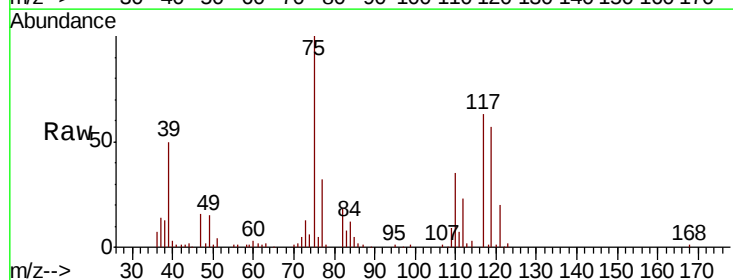
Manual Integrations
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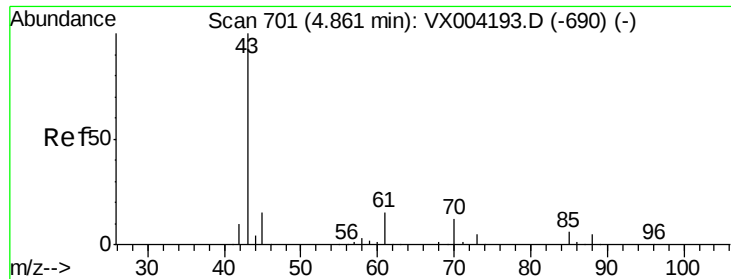
MMDadoda
 9/5/2018 4:52:22 PM



#36
 1,1-Dichloropropene
 Concen: 15.29 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52854		
110	36.1	18.0	54.0	
77	31.8	24.6	36.8	





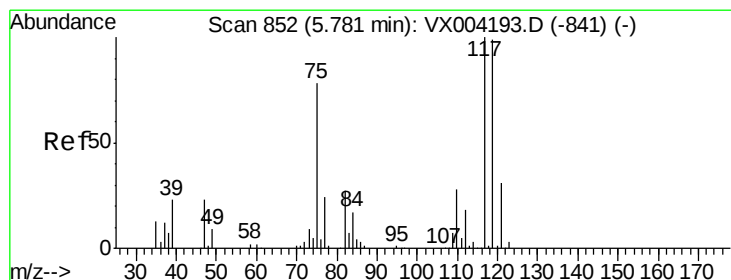
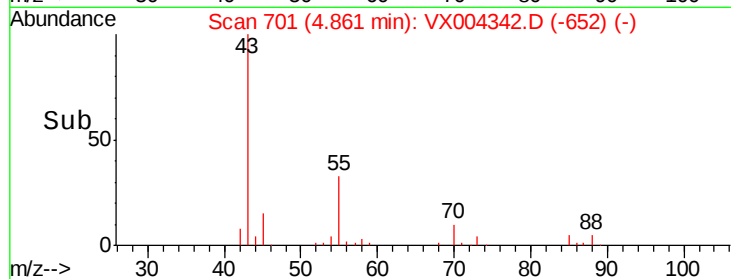
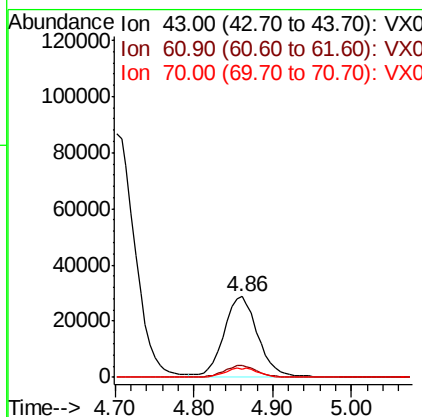
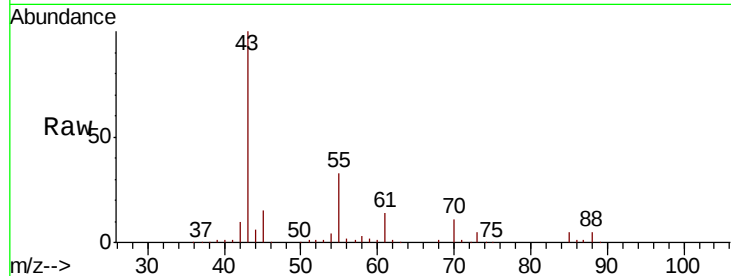
#37
Ethyl Acetate
Concen: 25.10 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.3	9.0	13.6

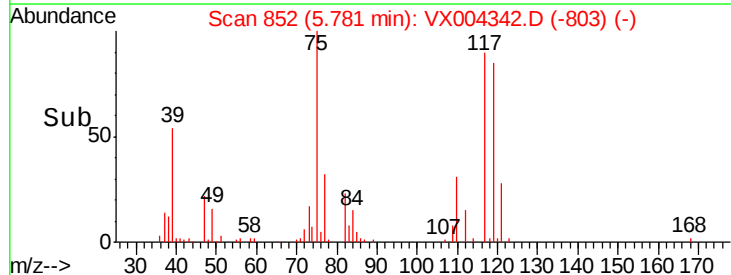
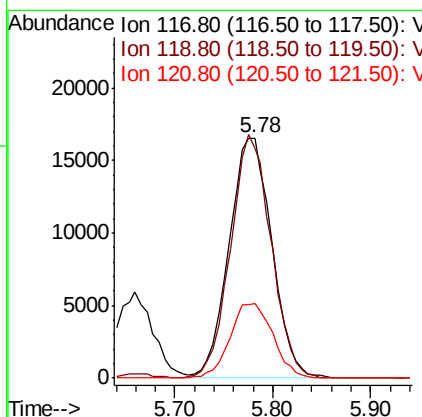
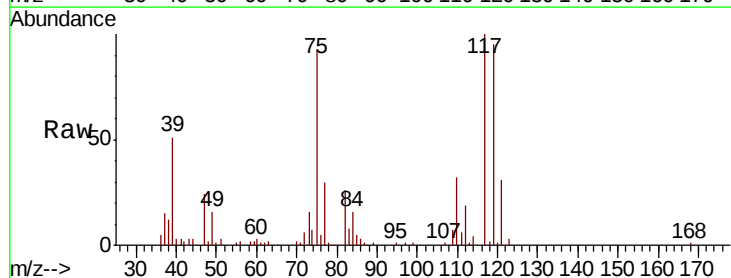
Manual Integrations
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9/5/2018 4:52:22 PM



#38
Carbon Tetrachloride
Concen: 15.47 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.8	118.2
121	31.3	24.9	37.3





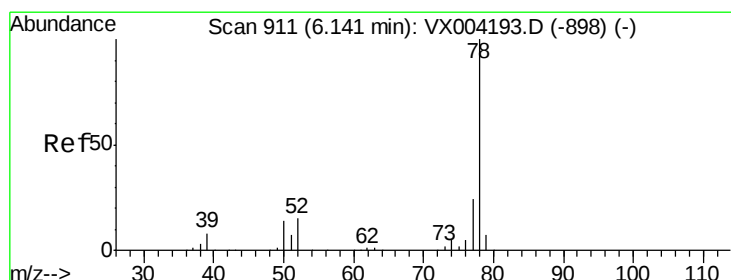
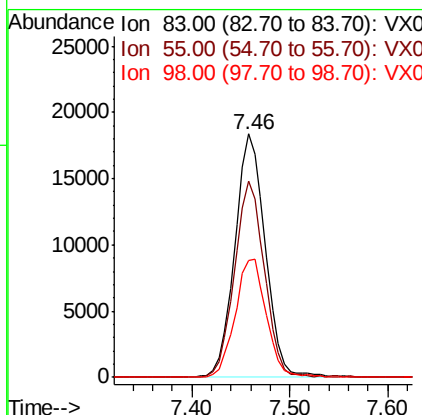
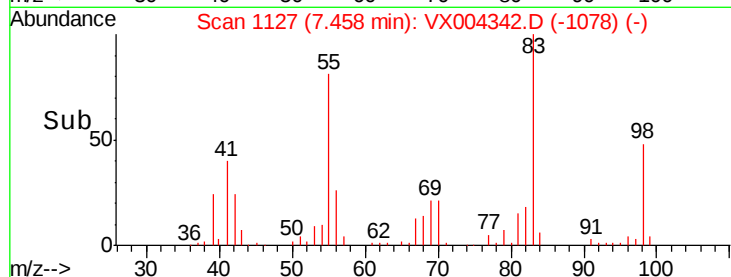
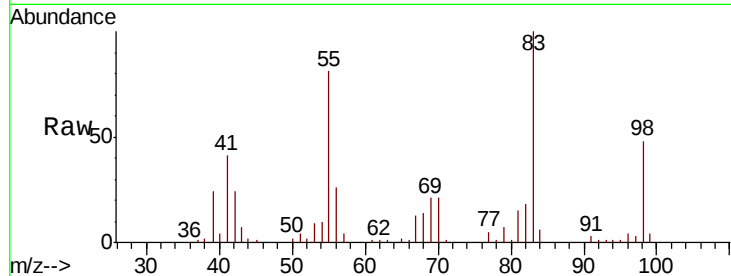
#39
Methvlcvclohexane
Concen: 10.02 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	61.0	91.4
98	48.1	39.6	59.4

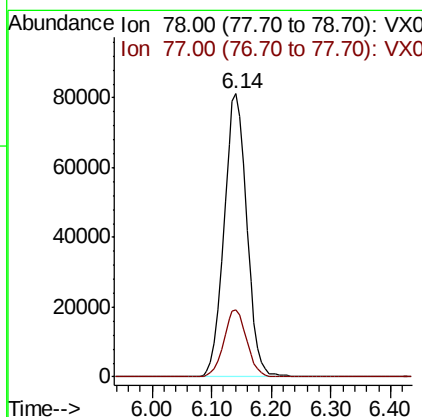
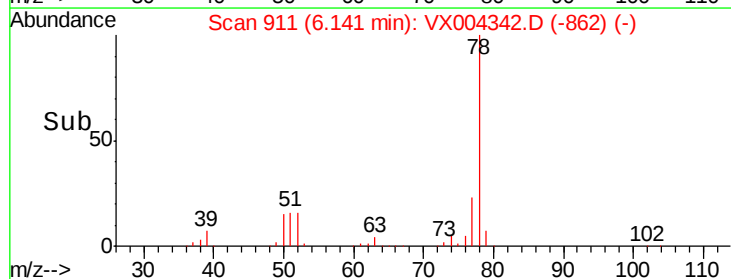
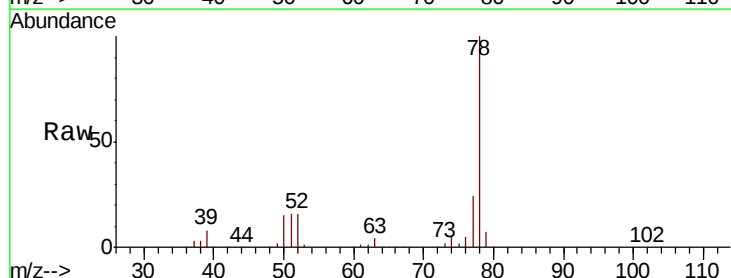
Manual Integrations
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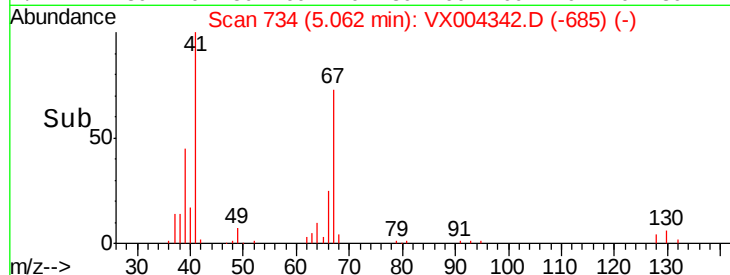
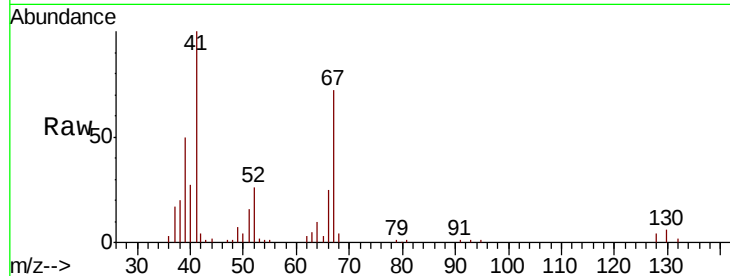
MMDadoda
9/5/2018 4:52:22 PM



#40
Benzene
Concen: 20.81 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





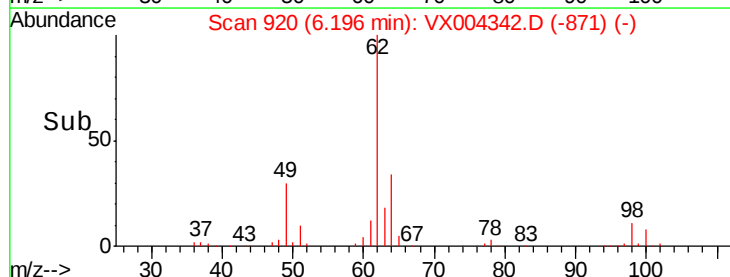
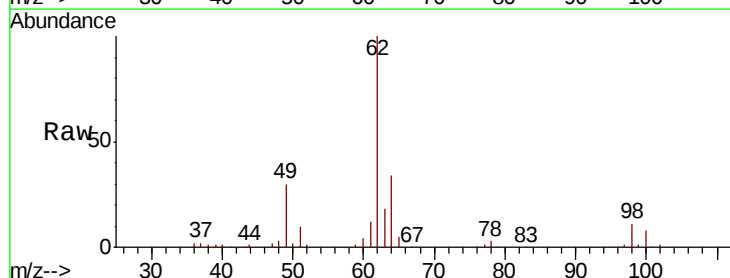
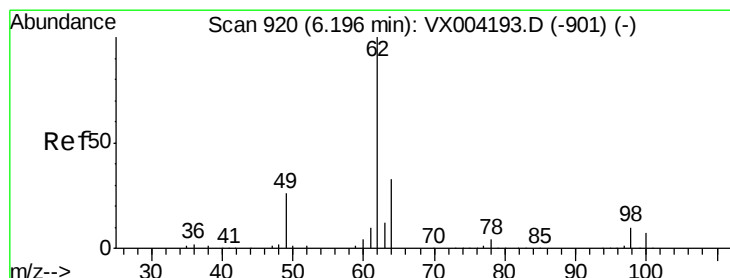
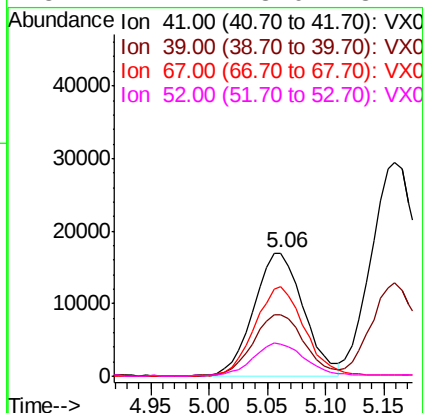
#41
Methacrylonitrile
Concen: 25.72 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	42.4	63.6	
67	72.3	59.2	88.8	
52	27.1	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

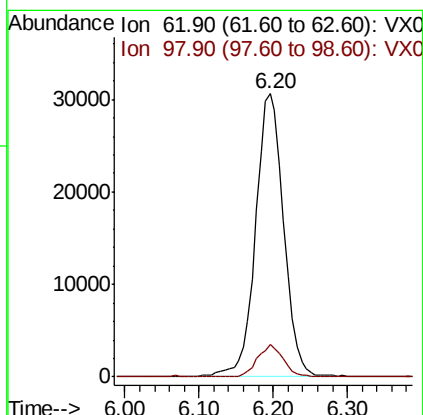
Manual Integrations
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MMDadoda
9/5/2018 4:52:22 PM



#42
1,2-Dichloroethane
Concen: 23.03 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.6	





#43

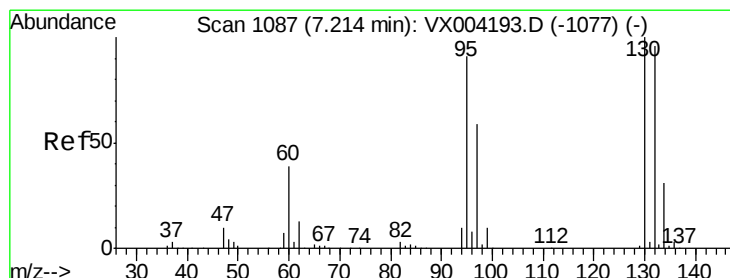
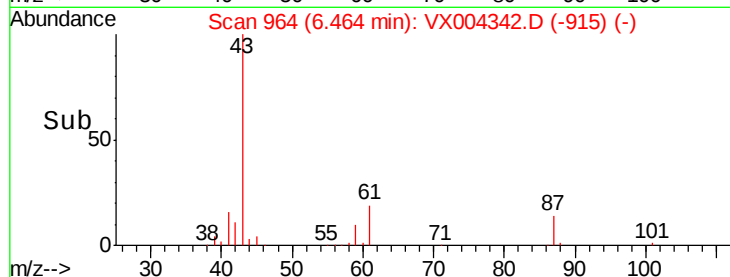
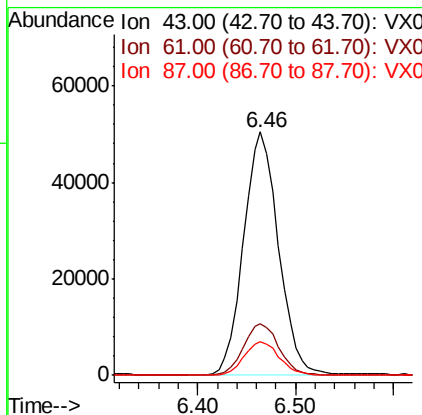
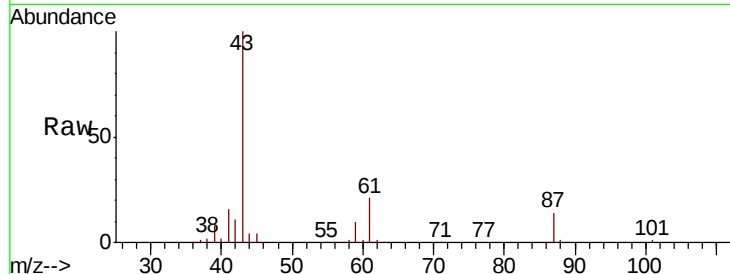
Isopropyl Acetate
 Concen: 23.91 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.0	25.4
87	14.1	11.4	17.2

Manual Integrations
 APPROVED

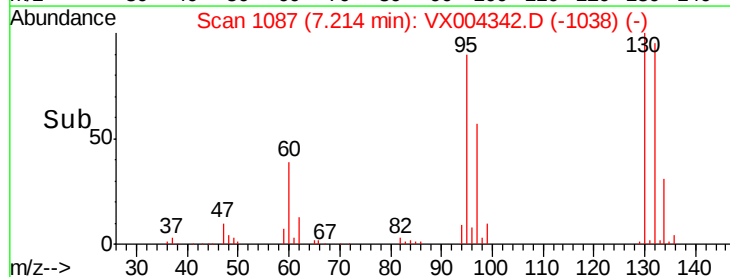
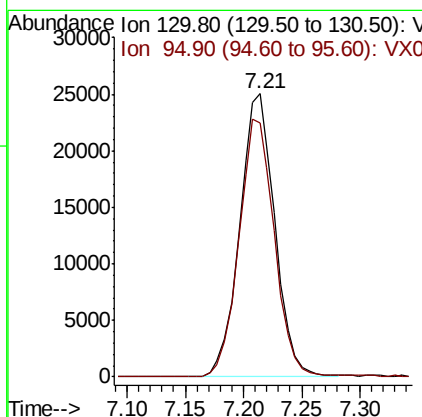
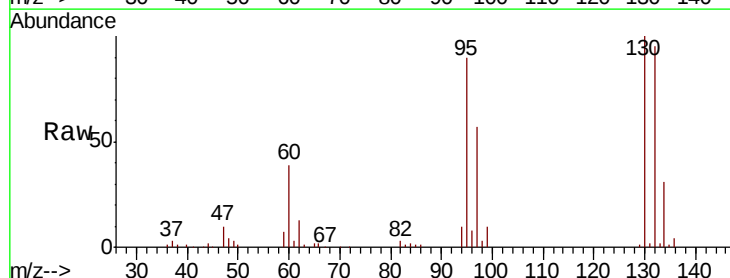
MMDadoda
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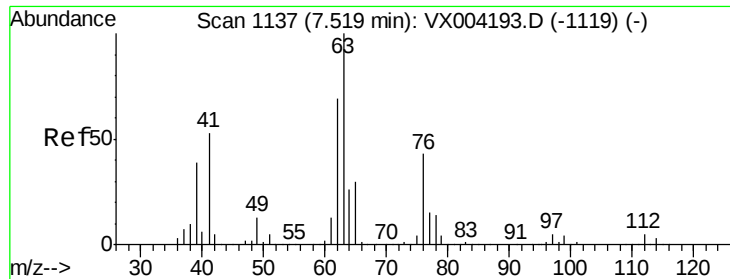


#44

Trichloroethene
 Concen: 18.37 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	181.6





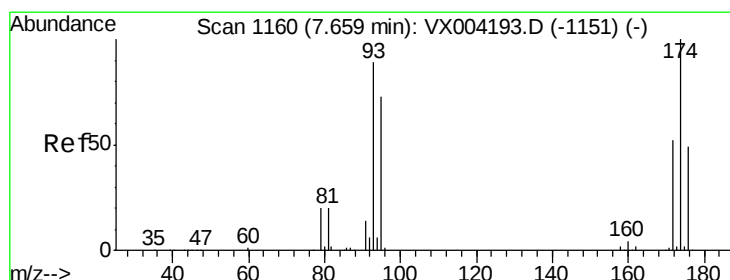
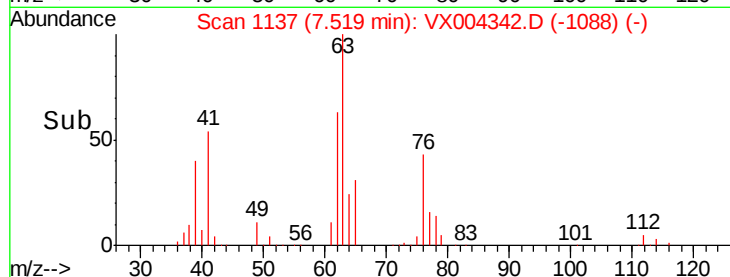
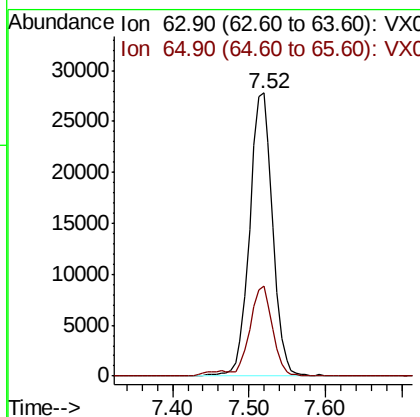
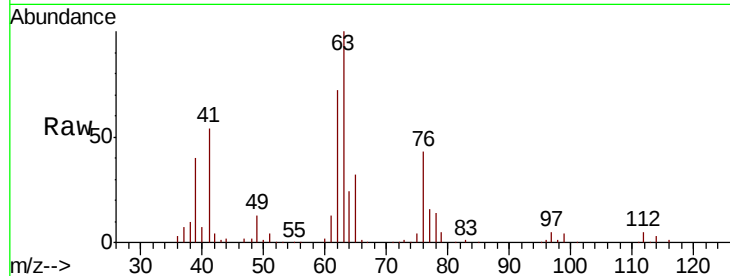
#45
 1,2-Dichloropropane
 Concen: 22.61 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion: 63 Resp: 58432
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5

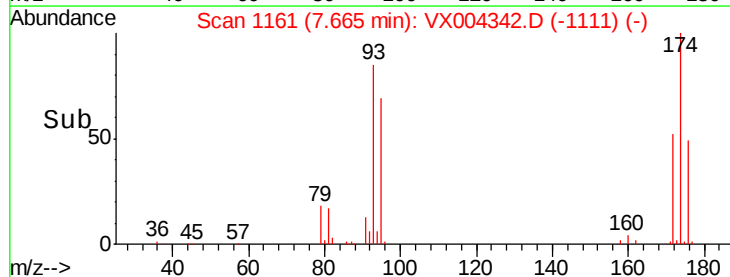
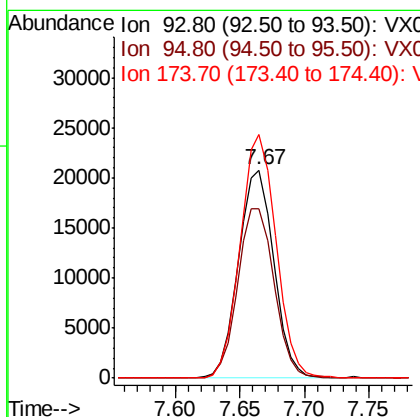
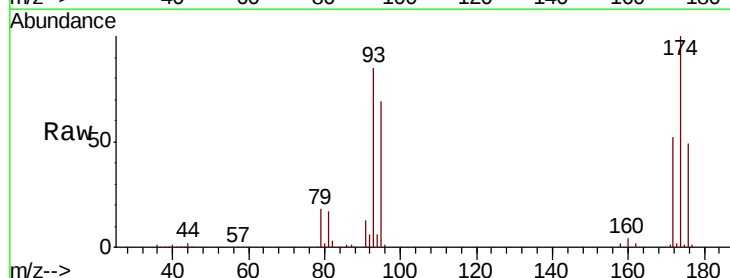
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#46
 Dibromomethane
 Concen: 23.03 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion: 93 Resp: 39634
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.5 98.3
 174 118.1 94.2 141.4





#47

Bromodichloromethane

Concen: 22.57 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

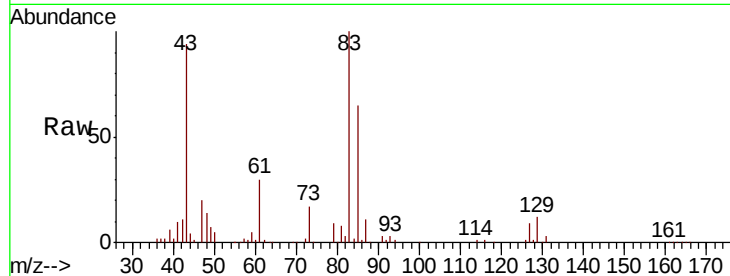
ClientSampled :

VX0904WBS01

Tot Ion:	83	Resp:	72255
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3
127	9.1	7.3	10.9

Manual Integrations
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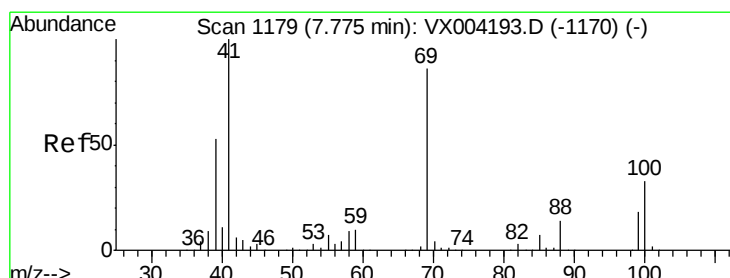
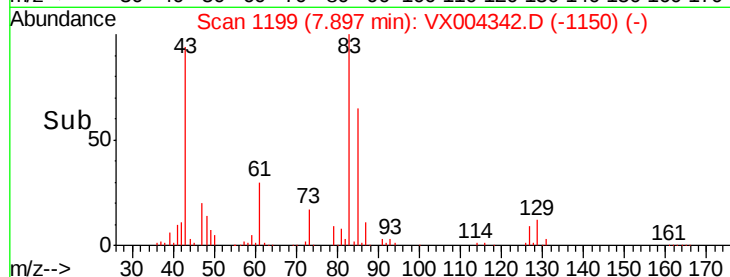
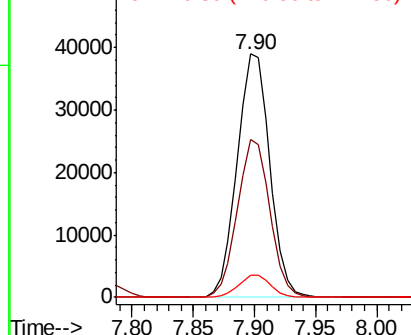


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.80 ug/l

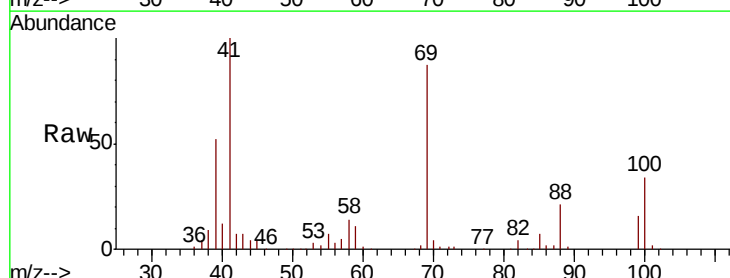
RT: 7.77 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Tgt Ion:	41	Resp:	66506
Ion	Ratio	Lower	Upper
41	100		
69	87.7	70.2	105.4
39	52.8	42.7	64.1

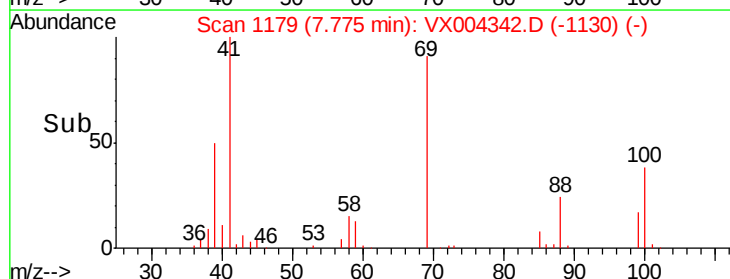
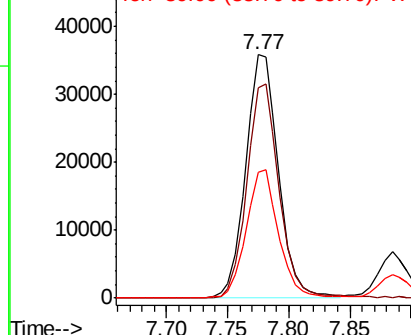


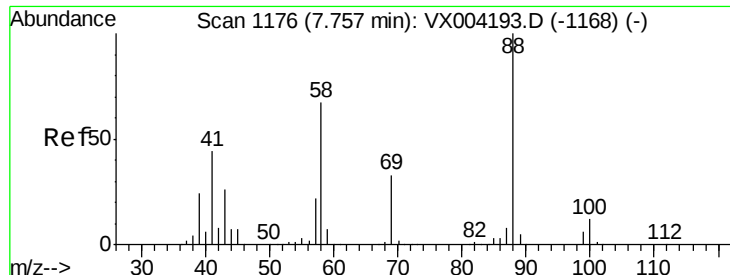
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





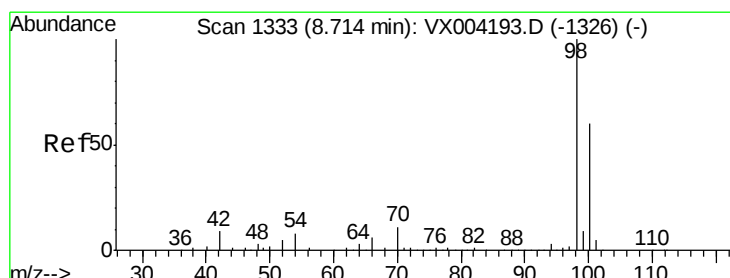
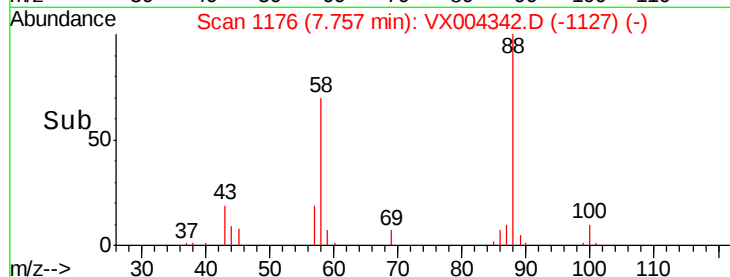
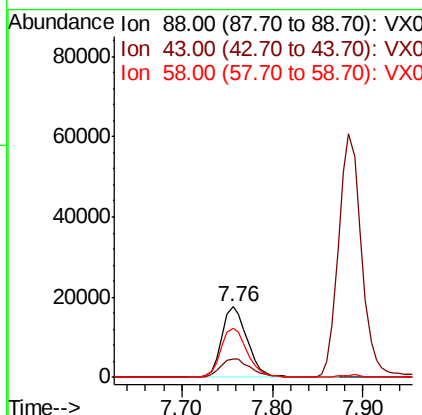
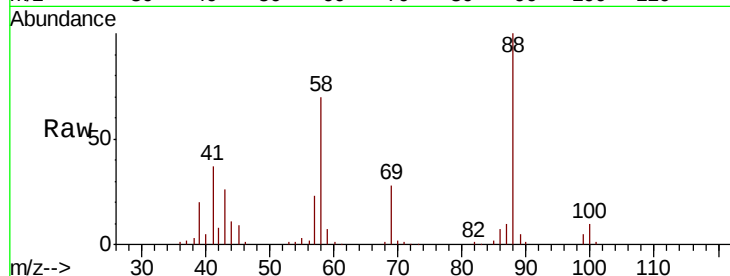
#49
1,4-Dioxane
Concen: 546.09 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	88	Resp	34648
Ion Ratio	Lower	Upper	
88	100		
43	29.7	24.7	37.1
58	71.9	55.3	82.9

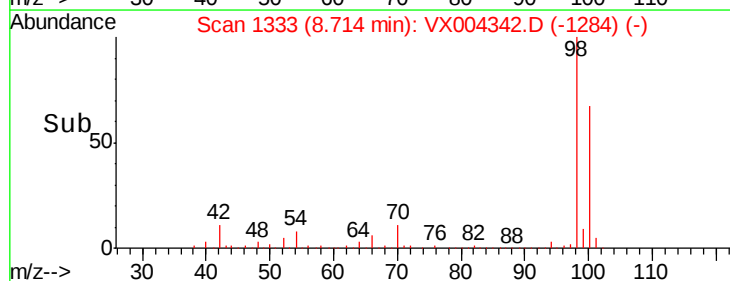
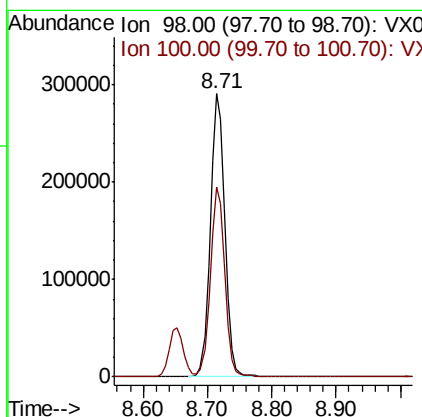
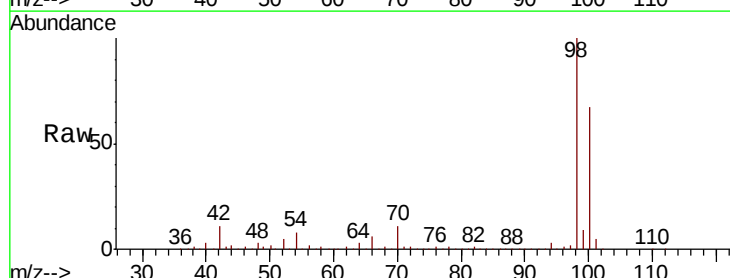
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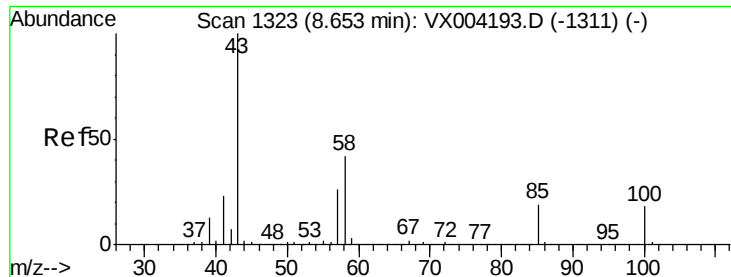
MMDadoda
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#50
Toluene-d8
Concen: 52.98 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	98	Resp	457352
Ion Ratio	Lower	Upper	
98	100		
100	66.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 122.94 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 43 Resp: 466522

Ion Ratio Lower Upper

43 100

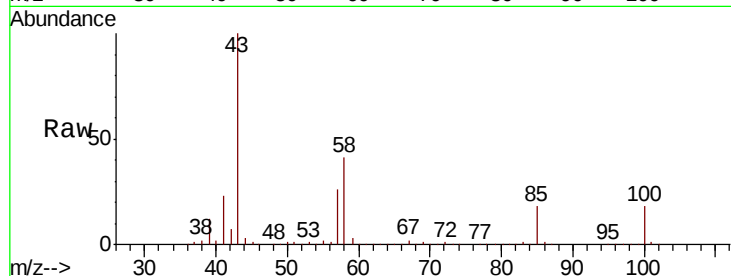
58 40.4 33.1 49.7

Manual Integrations

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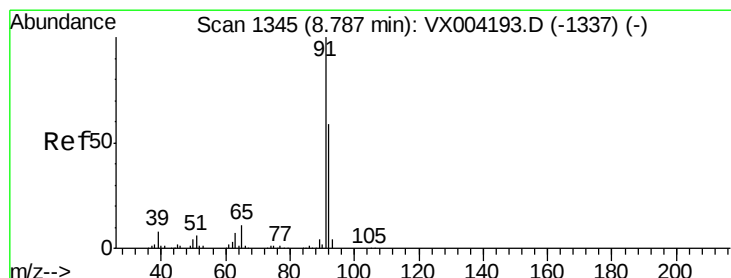
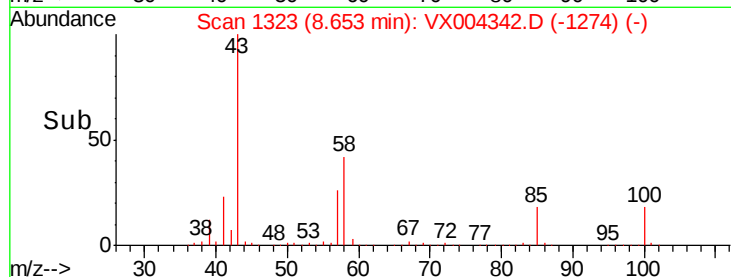
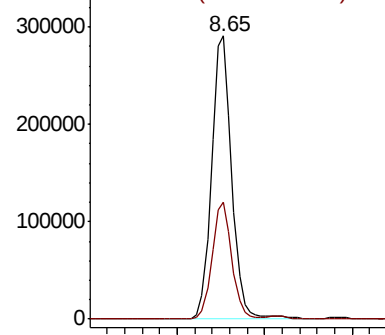
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.70 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004342.D

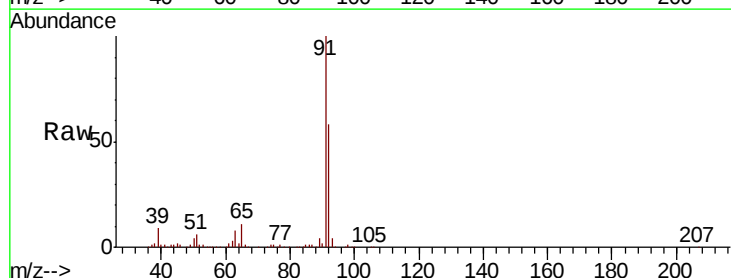
Acq: 04 Sep 2018 13:04

Tgt Ion: 92 Resp: 133809

Ion Ratio Lower Upper

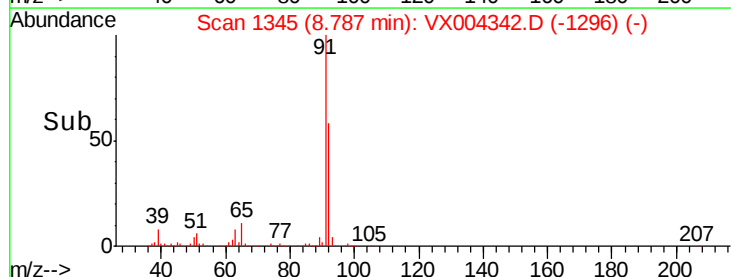
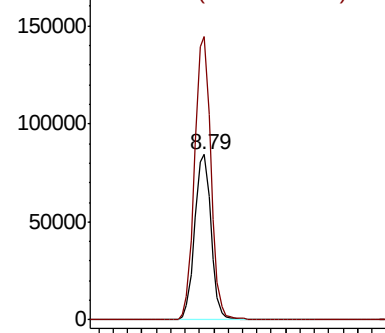
92 100

91 169.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





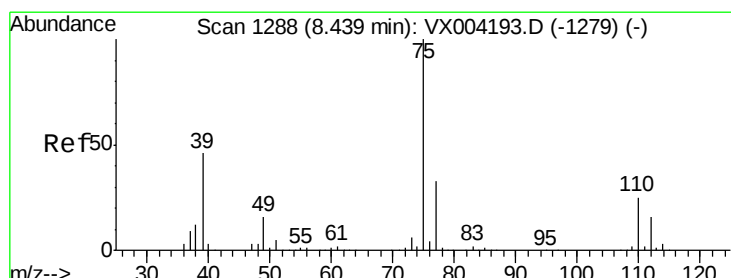
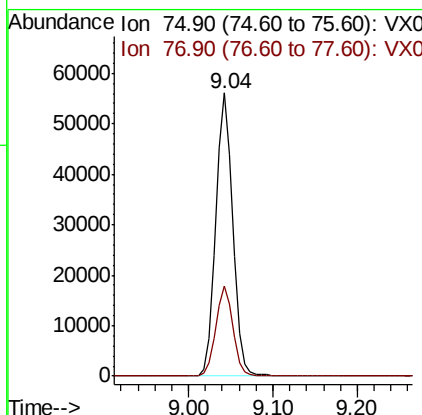
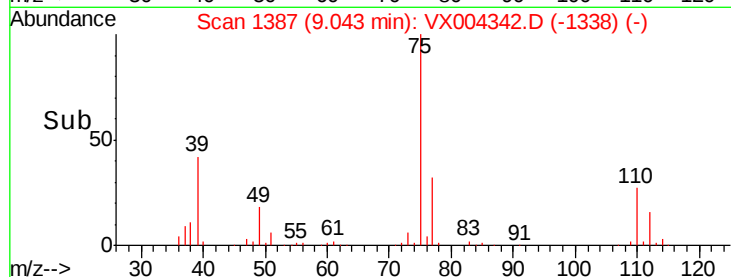
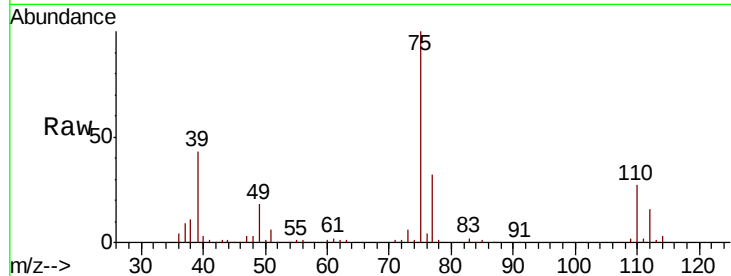
#53
t-1,3-Dichloropropene
Concen: 22.36 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion: 75 Resp: 79090
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0

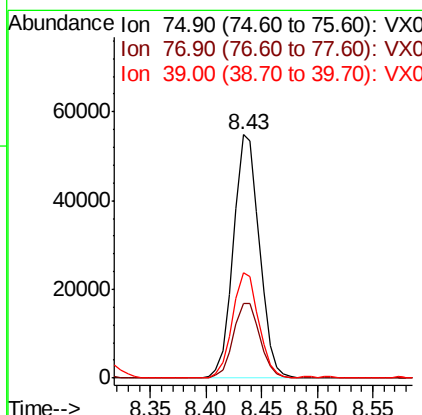
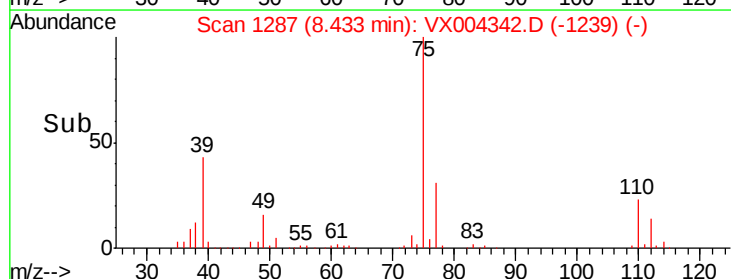
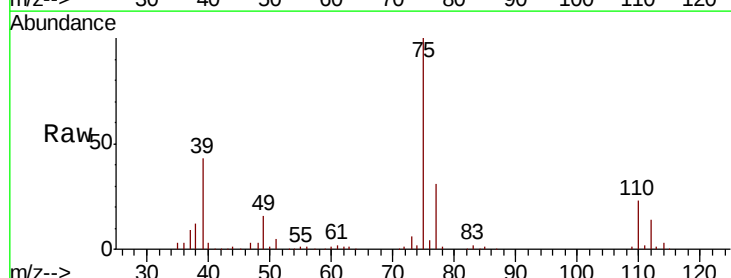
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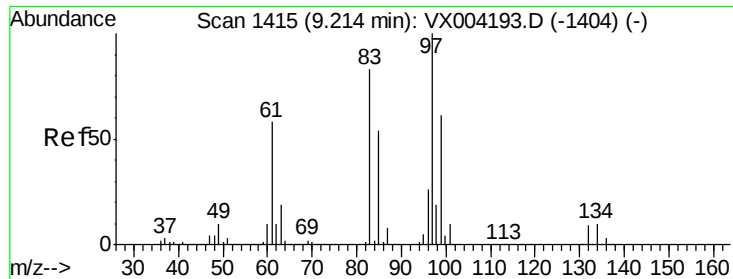
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 22.99 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion: 75 Resp: 88550
Ion Ratio Lower Upper
75 100
77 30.6 26.2 39.2
39 43.2 36.4 54.6





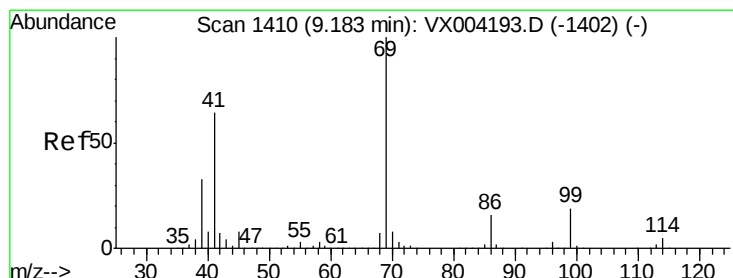
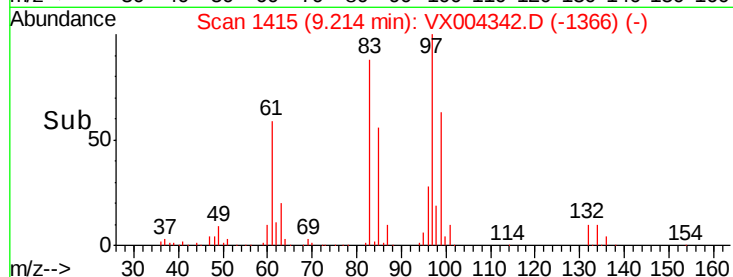
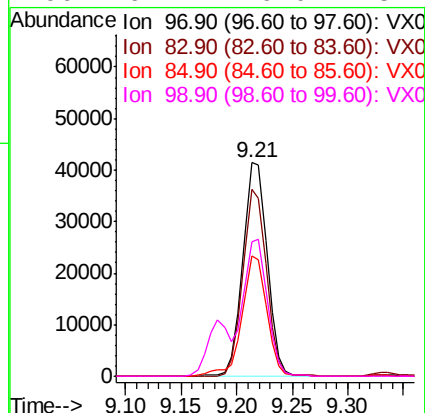
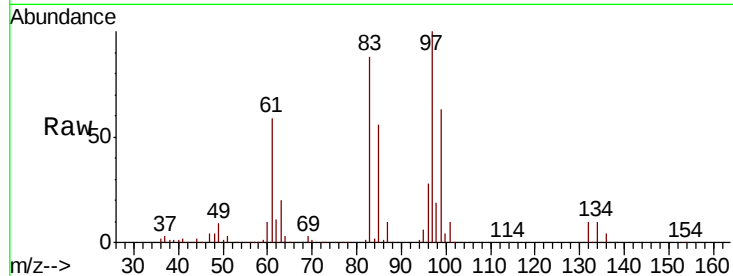
#55
 1,1,2-Trichloroethane
 Concen: 24.26 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion:	97	Resp:	63292
Ion	Ratio	Lower	Upper
97	100		
83	87.7	66.4	99.6
85	56.4	43.3	64.9
99	62.7	49.0	73.4

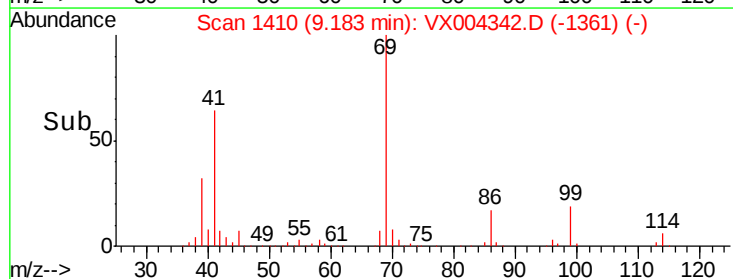
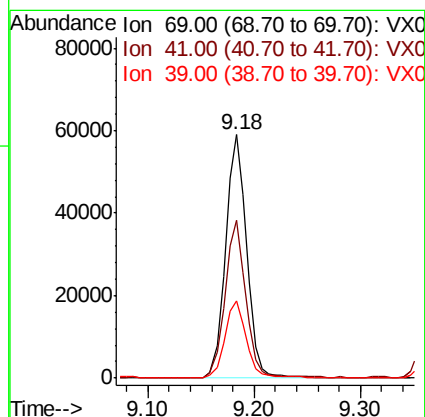
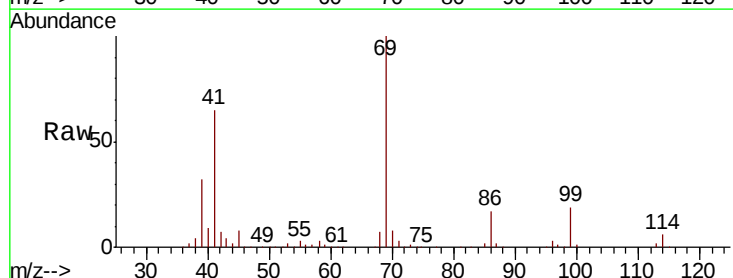
Manual Integrations
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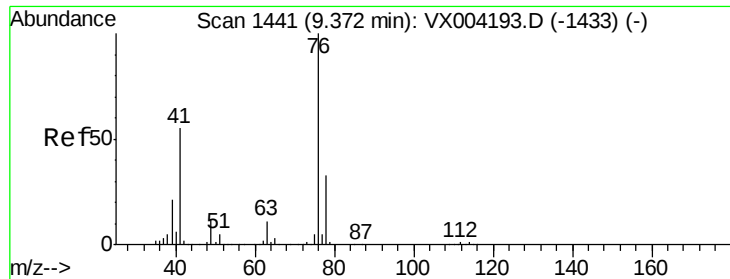
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#56
 Ethyl methacrylate
 Concen: 23.07 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion:	69	Resp:	81940
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.0	76.4
39	31.8	26.1	39.1





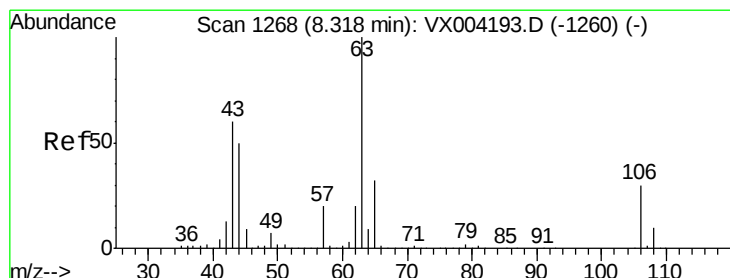
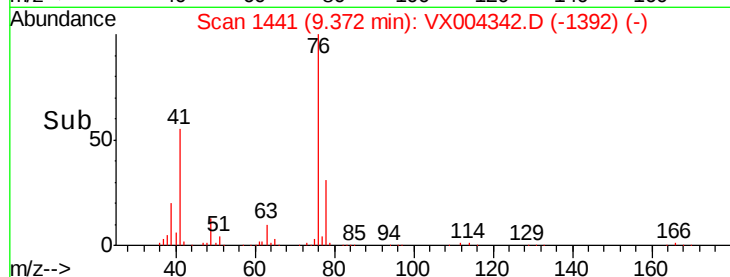
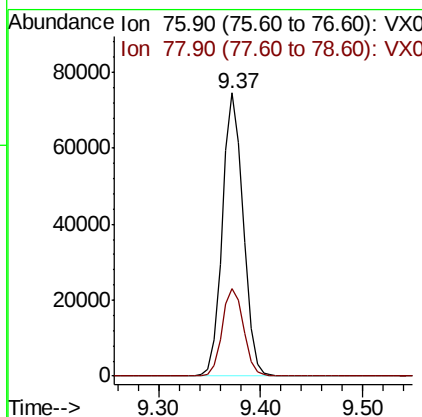
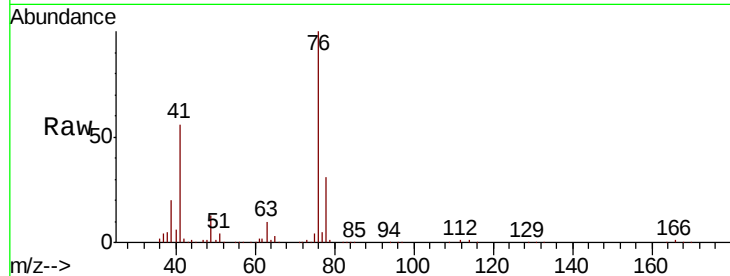
#57
 1,3-Dichloropropane
 Concen: 24.20 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

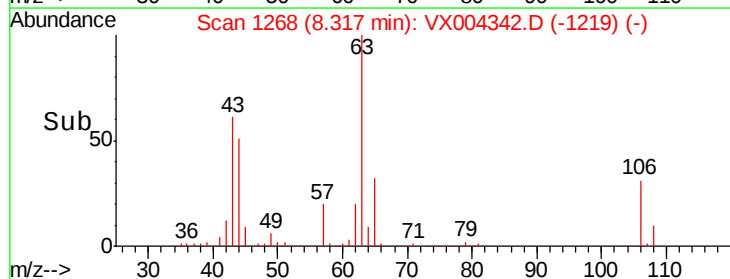
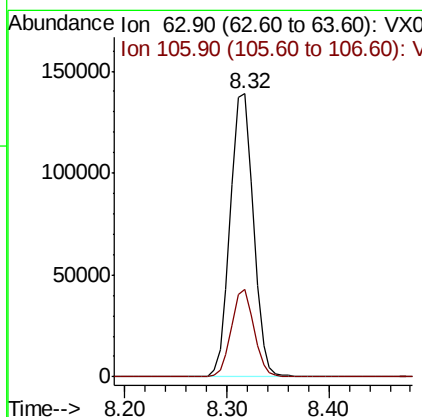
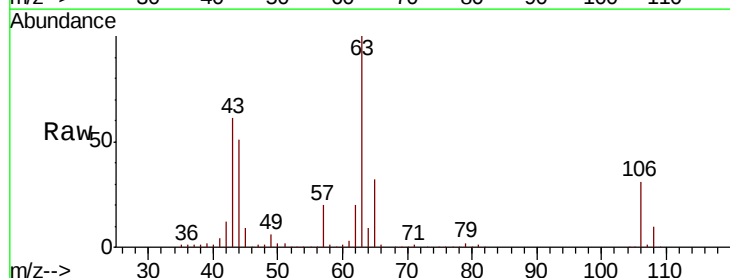
Manual Integrations
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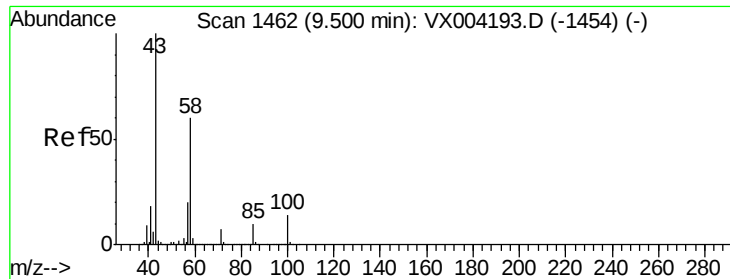
MMDadoda
 9/5/2018 4:52:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.09 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.9	35.9





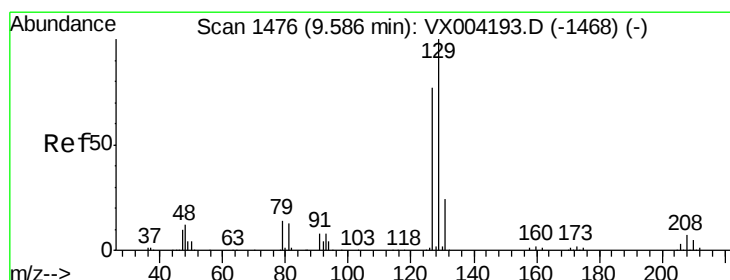
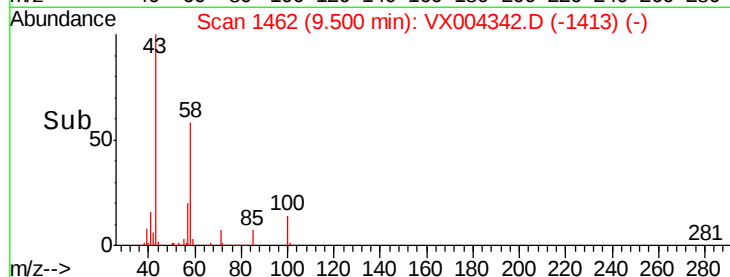
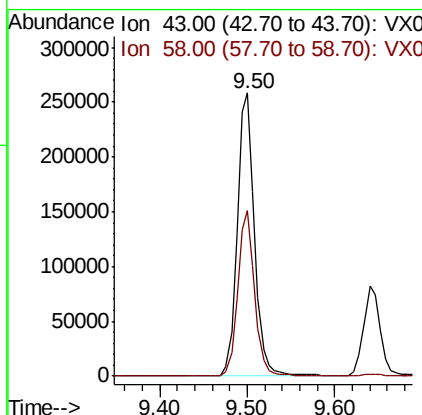
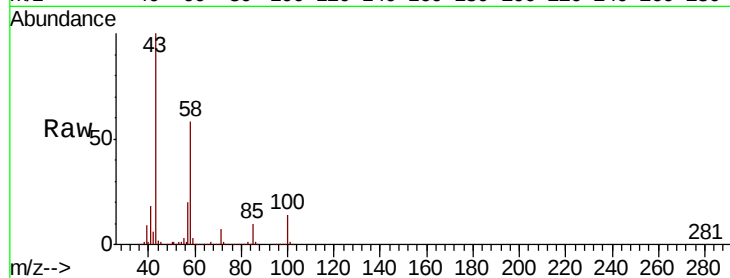
#59
2-Hexanone
Concen: 123.35 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion: 43 Resp: 357079
Ion Ratio Lower Upper
43 100
58 57.2 29.0 87.0

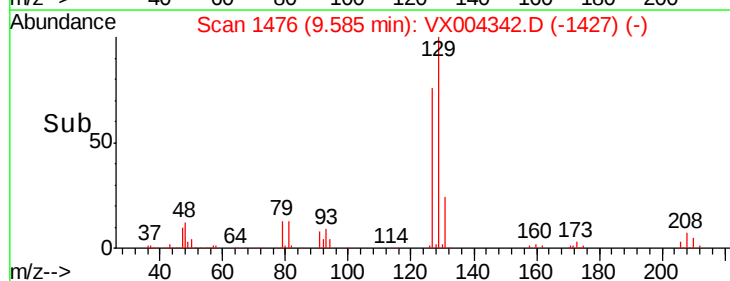
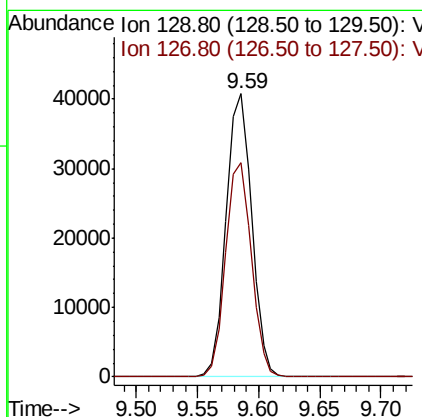
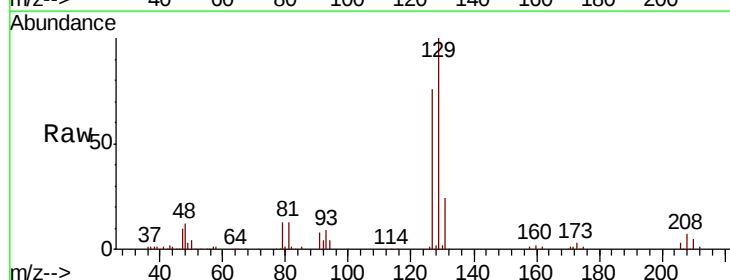
Manual Integrations
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MMDadoda
9/5/2018 4:52:22 PM



#60
Dibromochloromethane
Concen: 23.24 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion: 129 Resp: 59077
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 24.23 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion:107 Resp: 65442

Ion Ratio Lower Upper

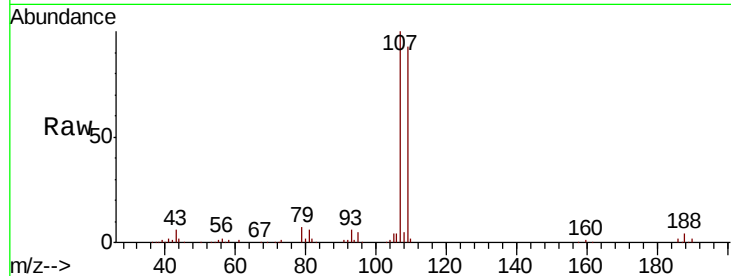
107 100

109 93.4 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

50000

40000

30000

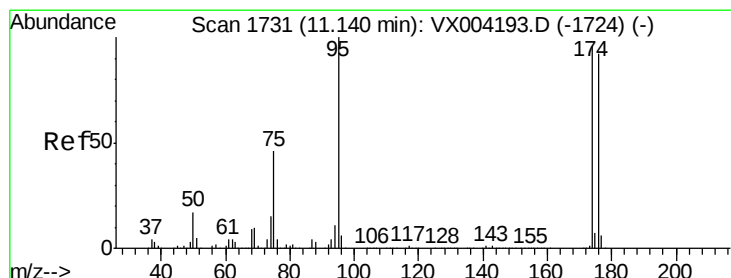
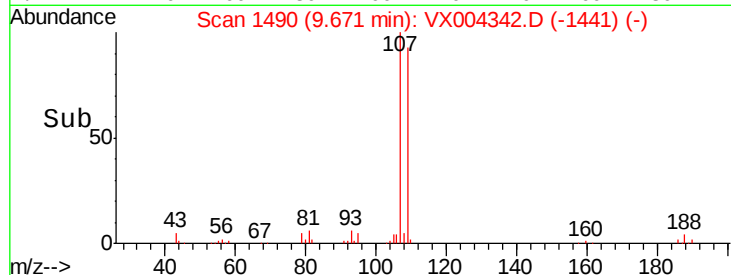
20000

10000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 56.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

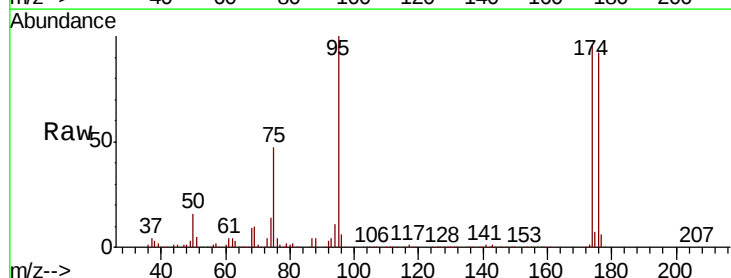
Tgt Ion: 95 Resp: 181188

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.2

176 87.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

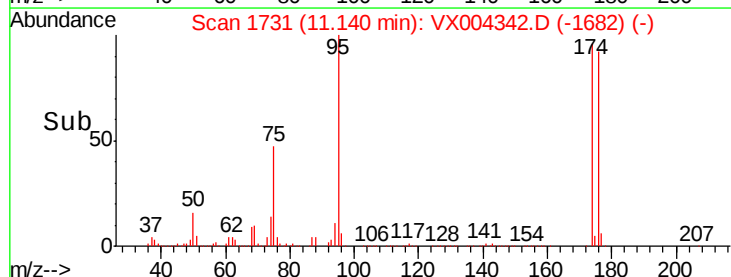
100000

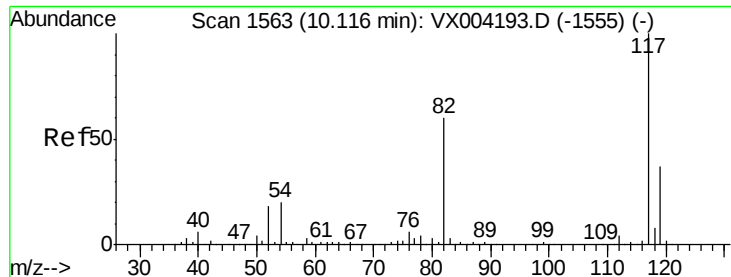
50000

0

11.10 11.20

Time-->





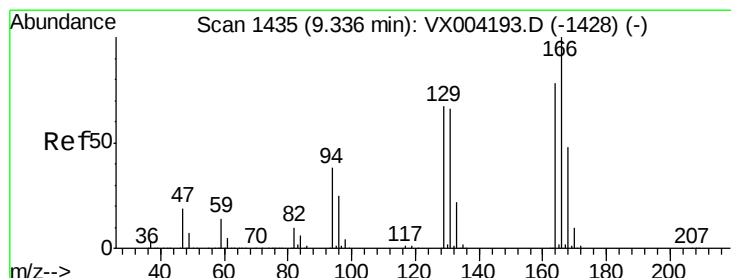
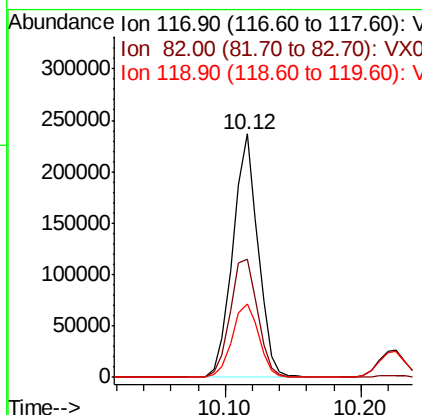
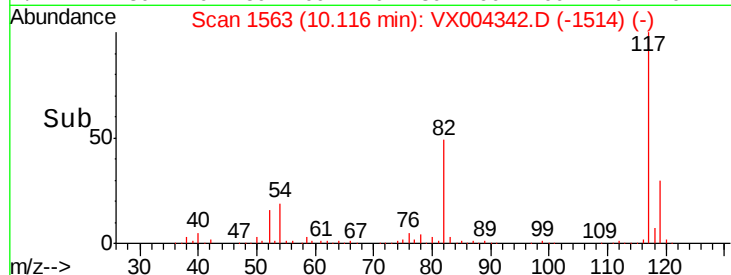
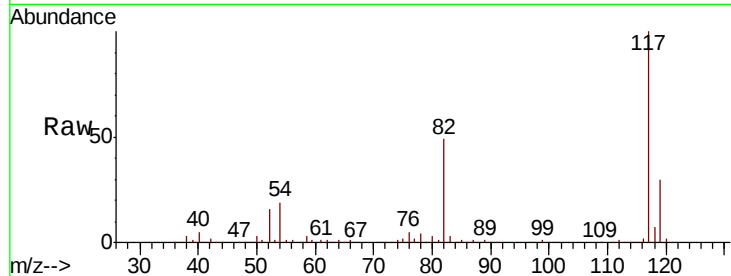
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	47.8	71.6
119	30.0	29.3	43.9

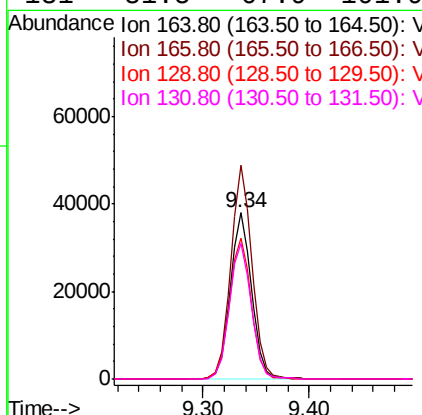
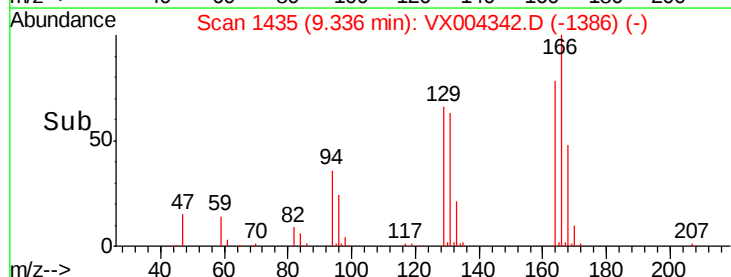
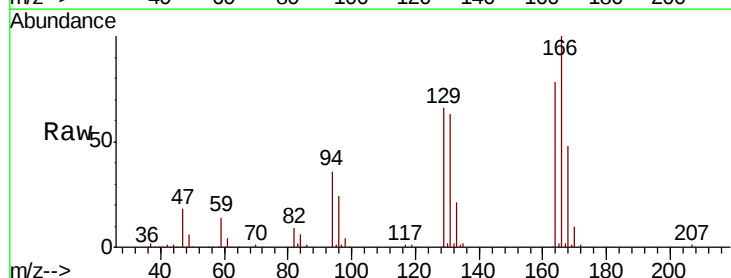
Manual Integrations
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#64
Tetrachloroethene
Concen: 17.72 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.8	154.2
129	85.1	69.4	104.0
131	81.5	67.9	101.9





#65

Chlorobenzene

Concen: 19.21 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion:112 Resp: 146845

Ion Ratio Lower Upper

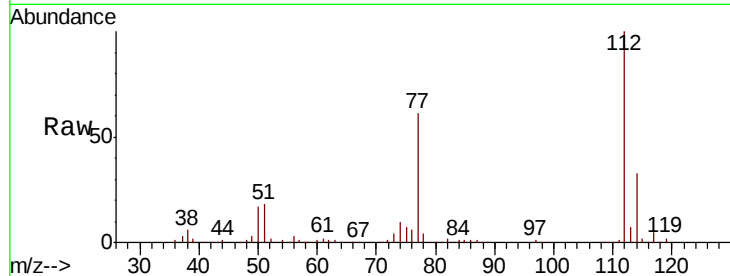
112 100

114 33.1 27.8 41.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

120000

100000

80000

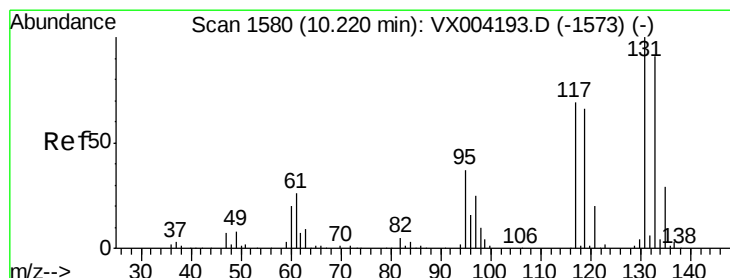
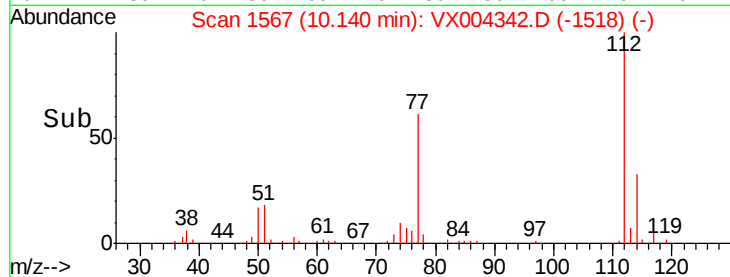
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.69 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

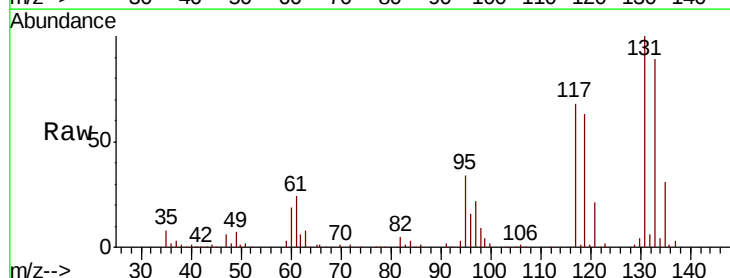
Tgt Ion:131 Resp: 54529

Ion Ratio Lower Upper

131 100

133 94.7 48.1 144.4

119 64.5 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

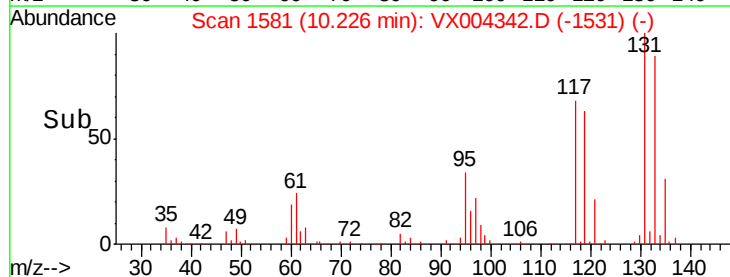
60000

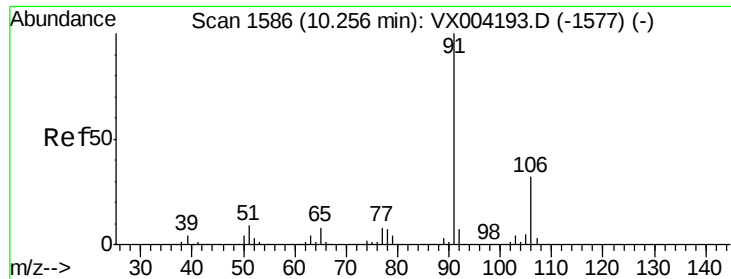
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 17.10 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 91 Resp: 212216

Ion Ratio Lower Upper

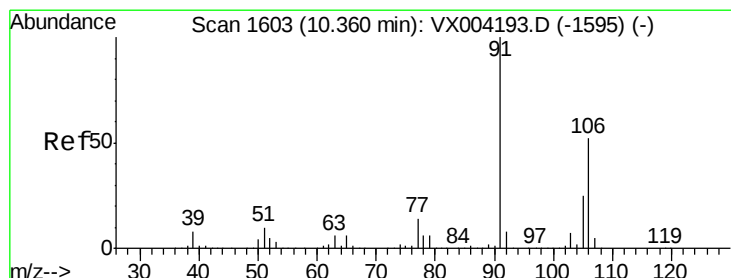
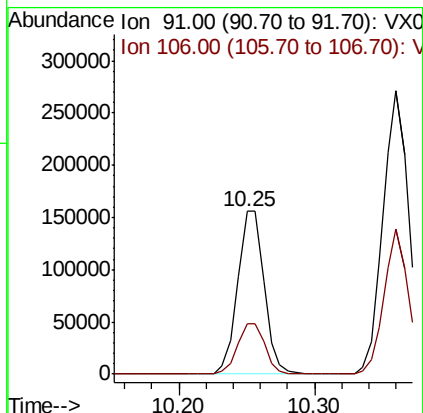
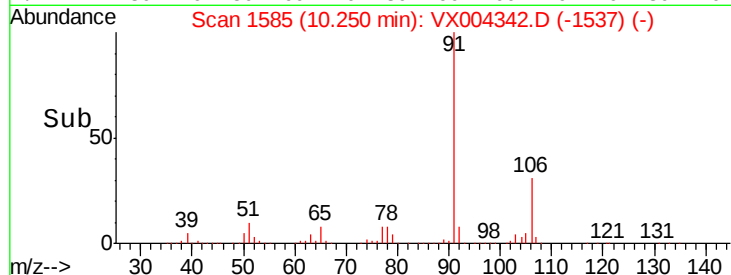
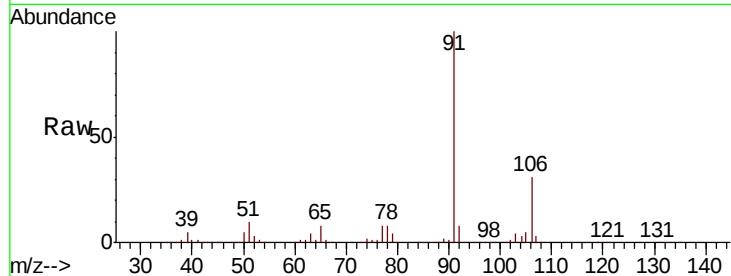
91 100

106 30.6 25.9 38.9

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#68

m/p-Xylenes

Concen: 35.83 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004342.D

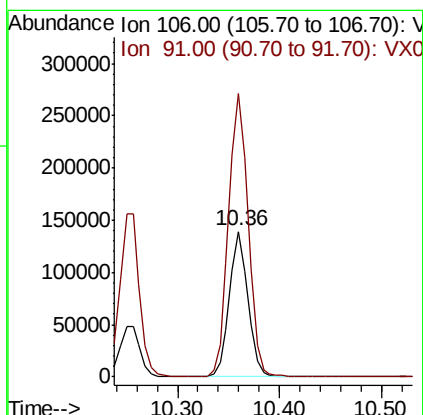
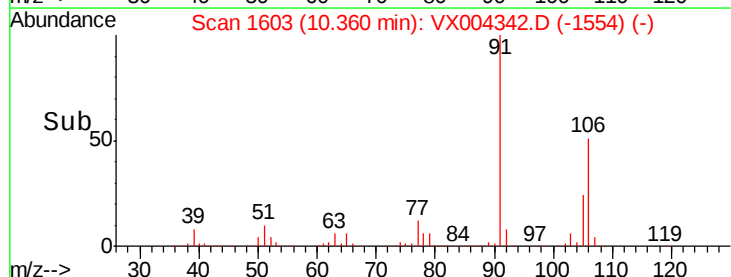
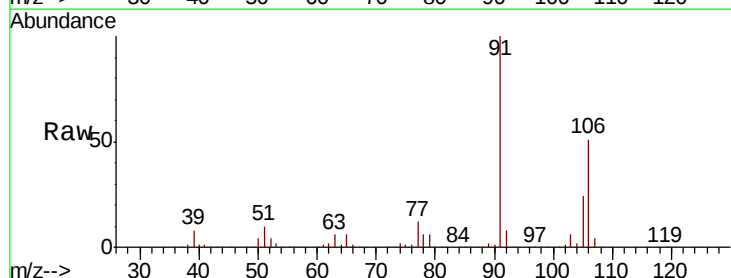
Acq: 04 Sep 2018 13:04

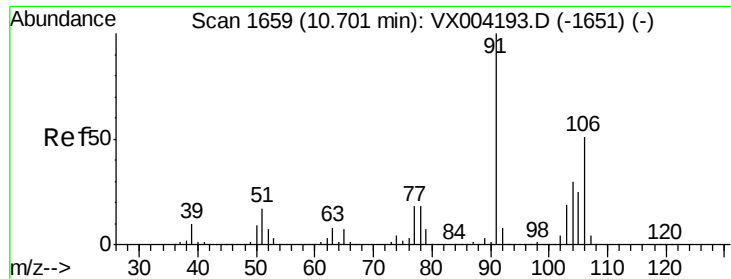
Tgt Ion: 106 Resp: 173877

Ion Ratio Lower Upper

106 100

91 208.0 157.1 235.7





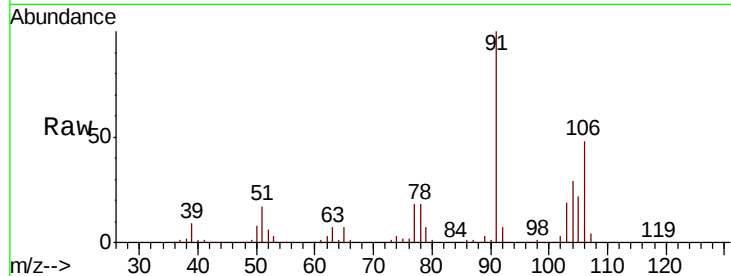
#69
o-Xylene
Concen: 19.74 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

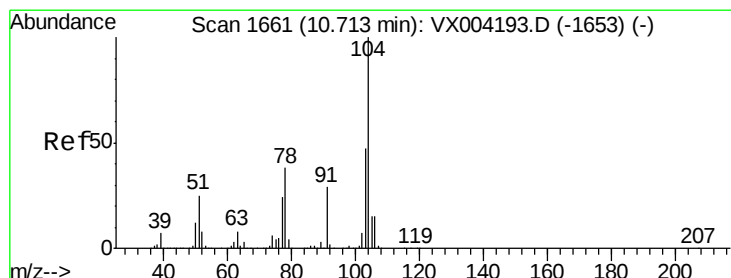
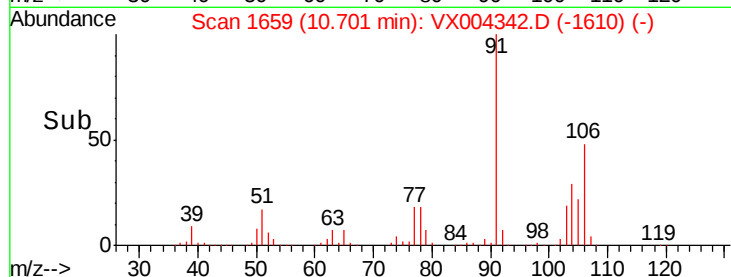
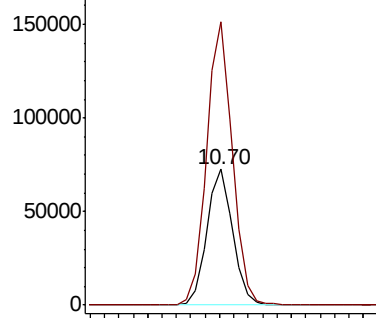
Tot Ion:106 Resp: 90630
Ion Ratio Lower Upper
106 100
91 209.3 105.1 315.1

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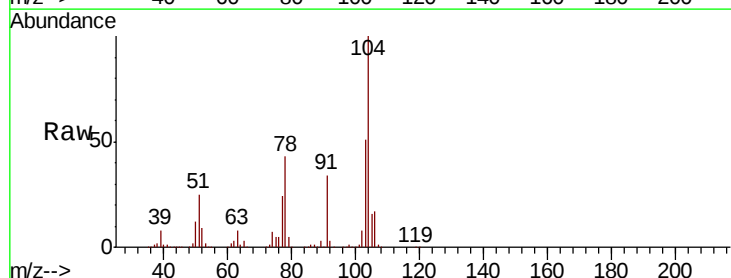


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

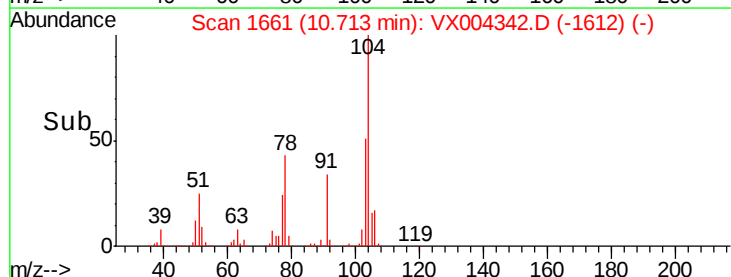
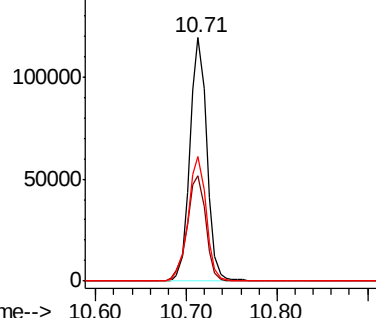


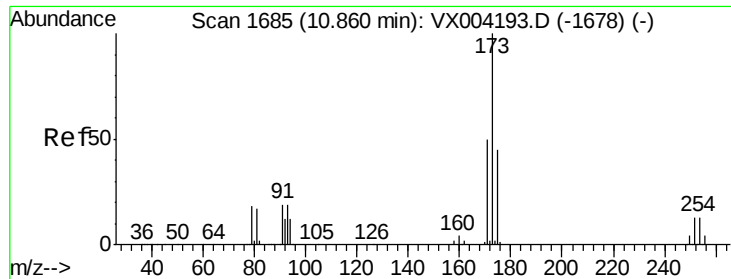
#70
Styrene
Concen: 21.04 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion:104 Resp: 156372
Ion Ratio Lower Upper
104 100
78 48.0 37.4 56.0
103 54.8 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





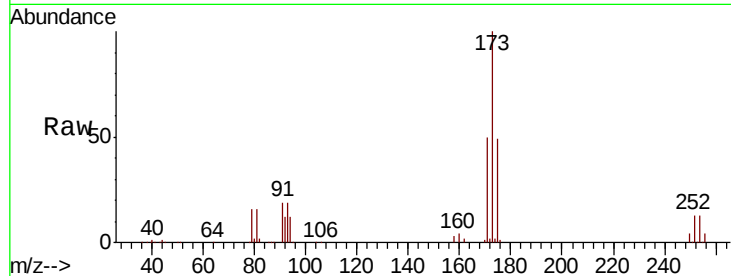
#71
Bromoform
Concen: 21.14 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.3
254	0.1	0.2	0.2#

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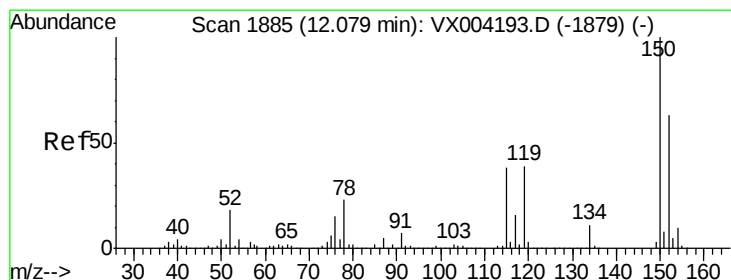
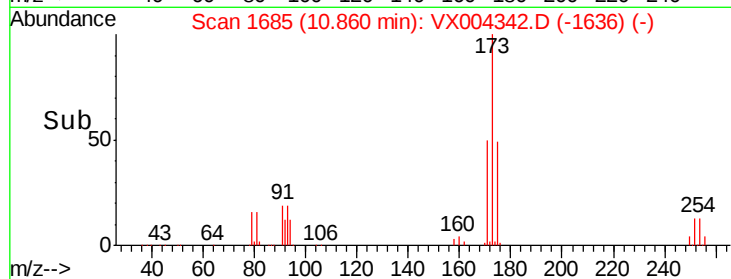
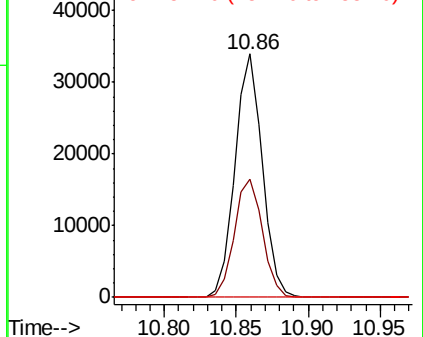


Abundance

Ion 172.70 (172.40 to 173.40): V

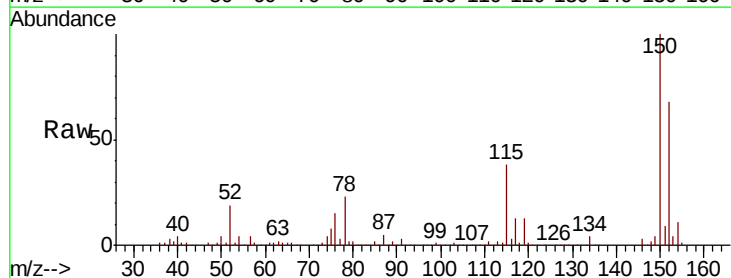
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	39.0	117.0
150	157.4	0.0	351.0

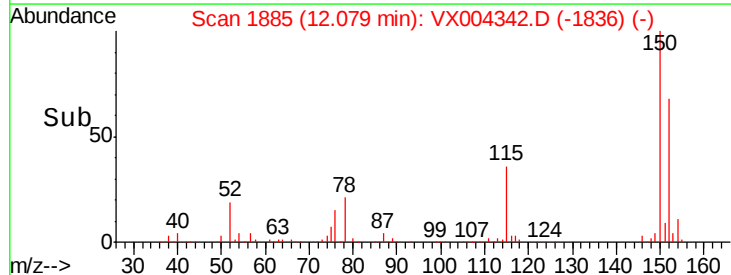
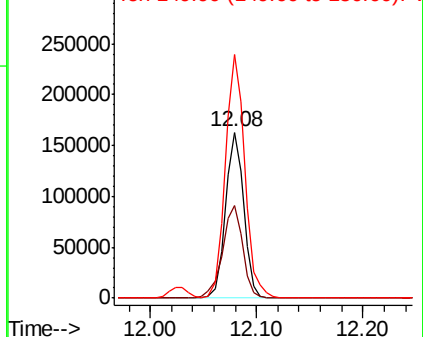


Abundance

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





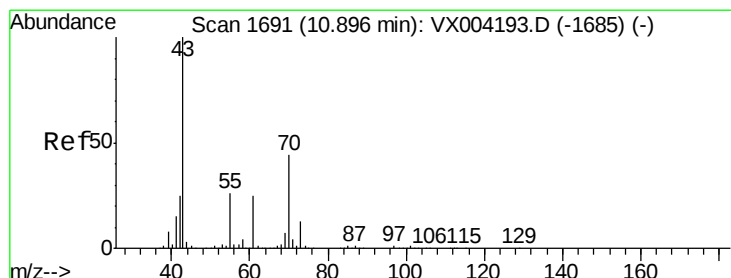
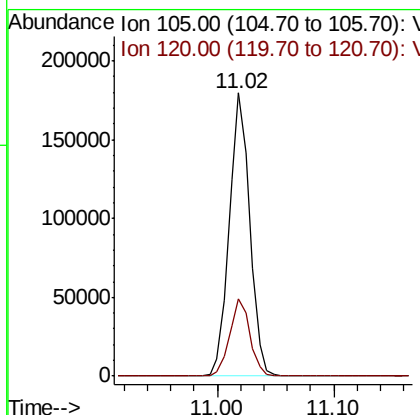
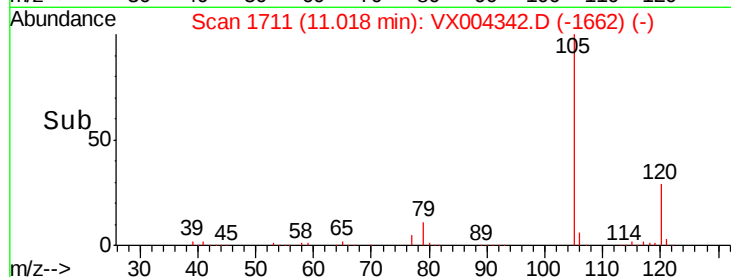
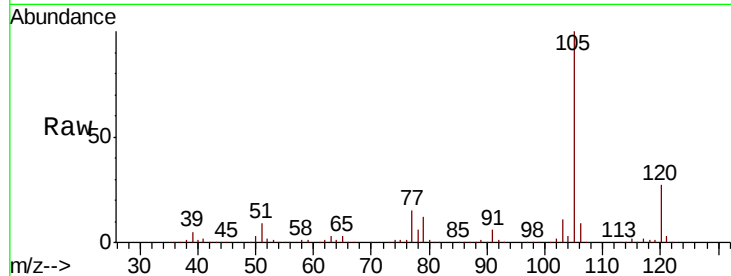
#73
Isopropylbenzene
Concen: 17.18 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

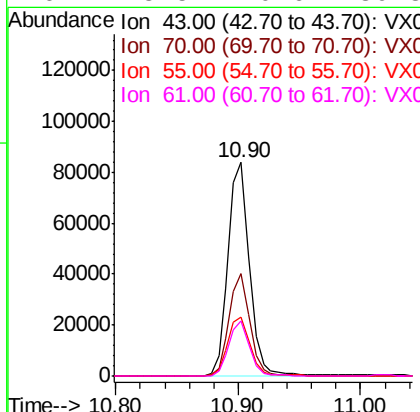
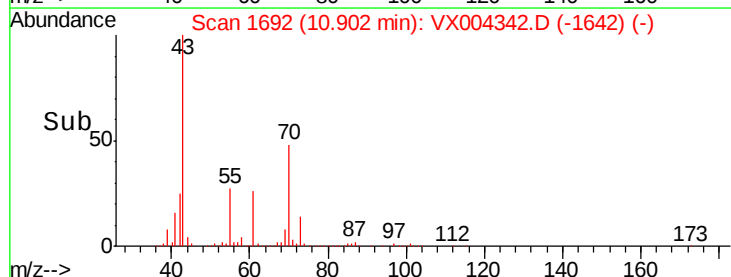
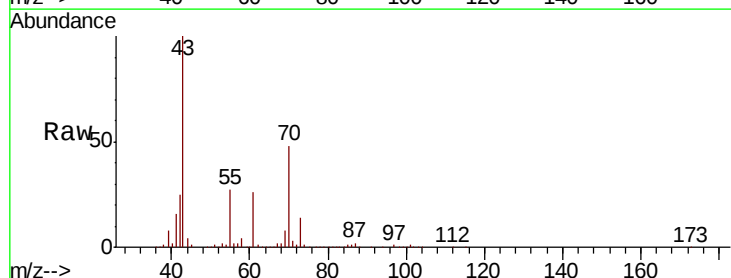
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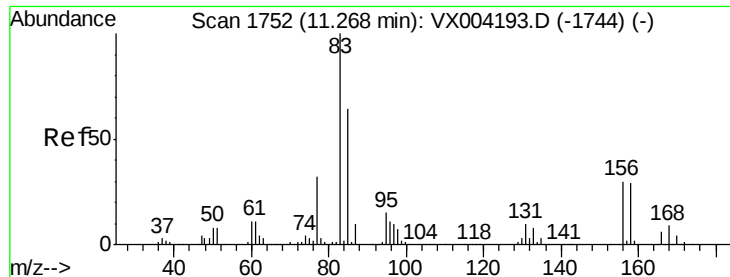
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#74
N-ethyl acetate
Concen: 20.51 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.0	37.4	56.0
55	29.0	21.8	32.8
61	25.5	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.58 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampled :

VX0904WBS01

Tot Ion: 83 Resp: 96628

Ion Ratio Lower Upper

83 100

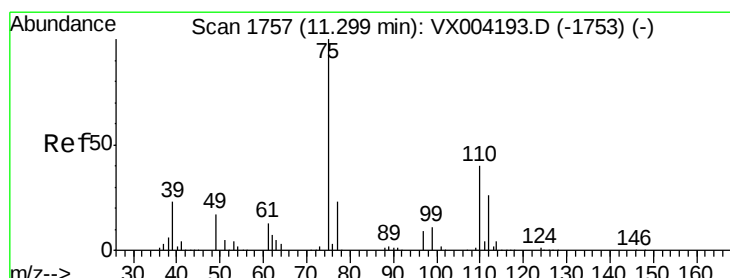
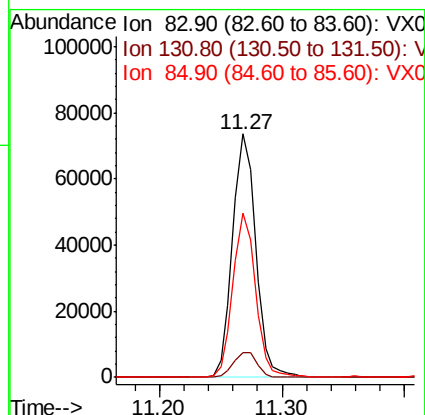
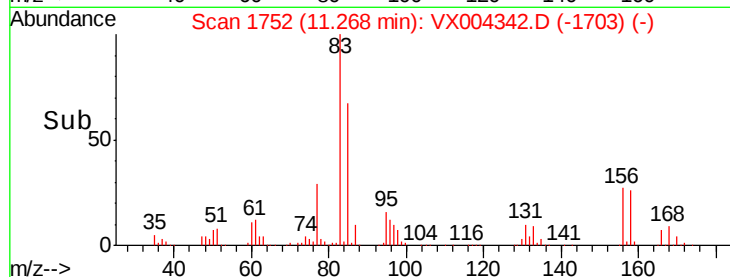
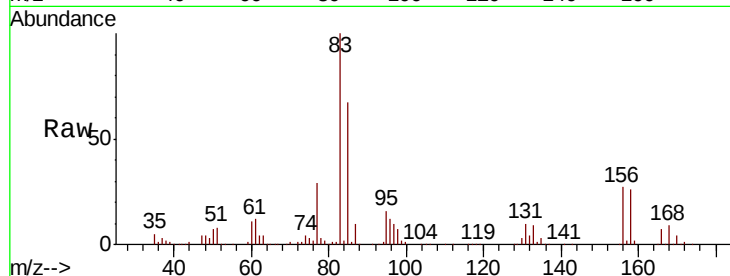
131 10.5 5.2 15.6

85 65.9 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 23.09 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004342.D

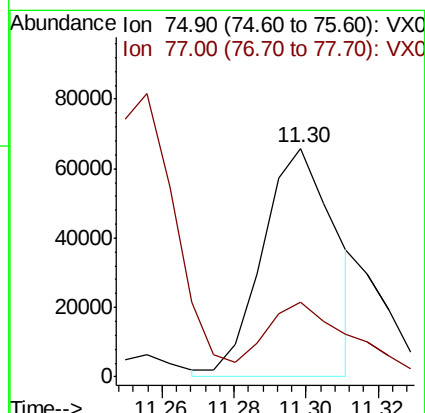
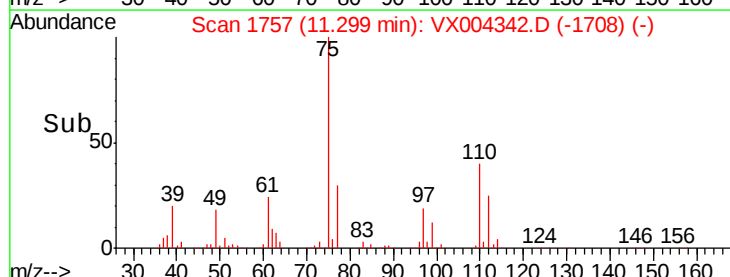
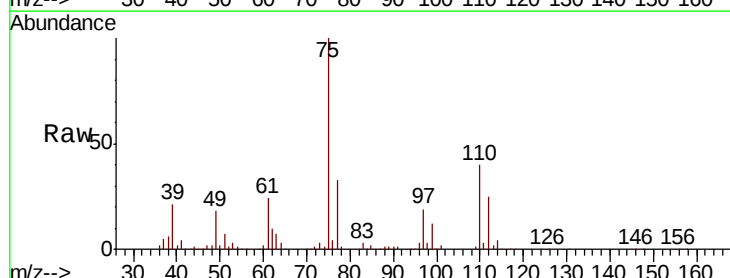
Acq: 04 Sep 2018 13:04

Tgt Ion: 75 Resp: 91515

Ion Ratio Lower Upper

75 100

77 38.5 20.2 60.6





#77

Bromobenzene

Concen: 20.30 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampled :

VX0904WBS01

Tot Ion:156 Resp: 72888

Ion Ratio Lower Upper

156 100

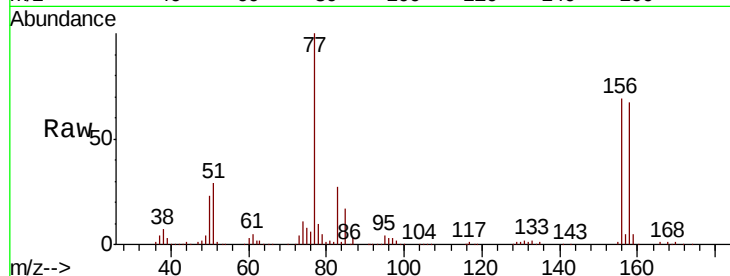
77 147.6 71.5 214.3

158 97.4 48.9 146.8

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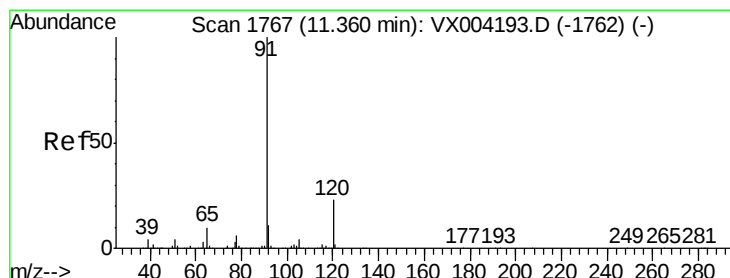
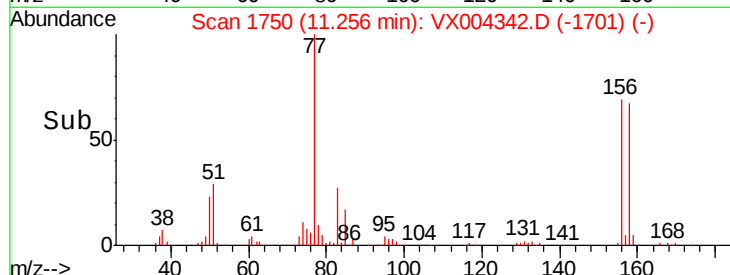
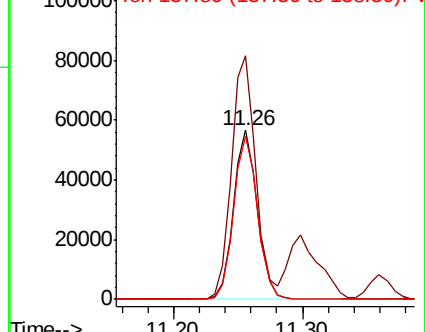
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.69 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004342.D

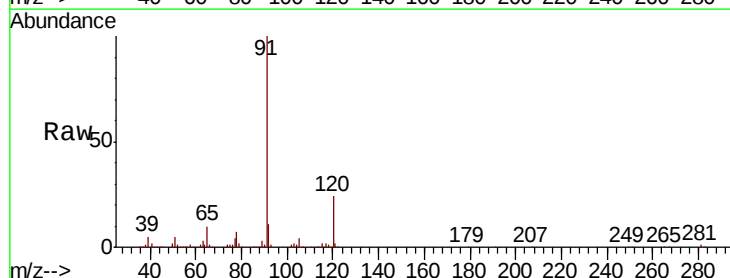
Acq: 04 Sep 2018 13:04

Tgt Ion: 91 Resp: 245693

Ion Ratio Lower Upper

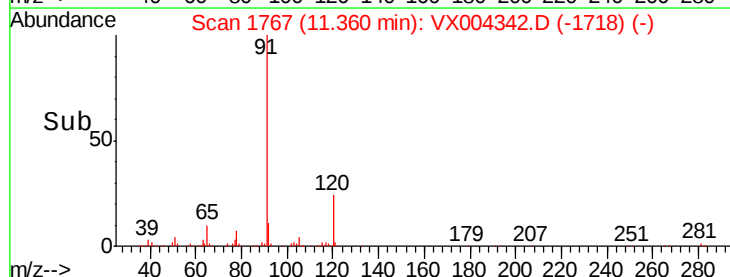
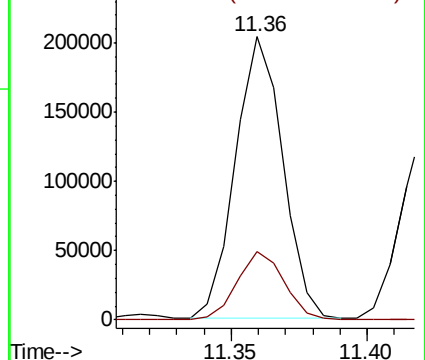
91 100

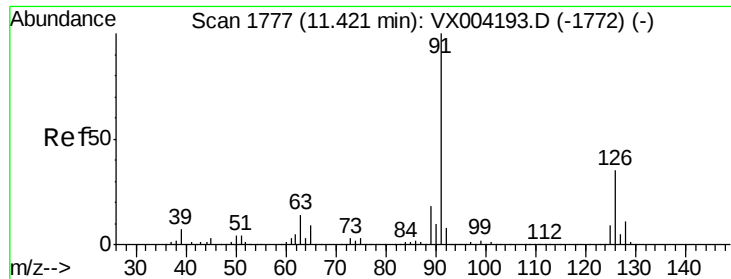
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.22 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 91 Resp: 174161

Ion Ratio Lower Upper

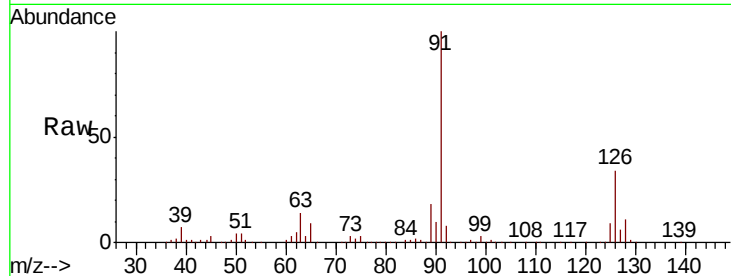
91 100

126 34.9 17.9 53.7

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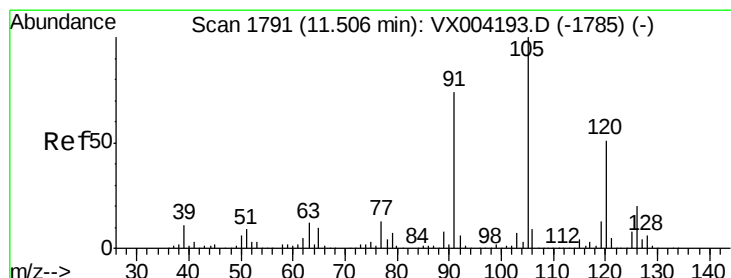
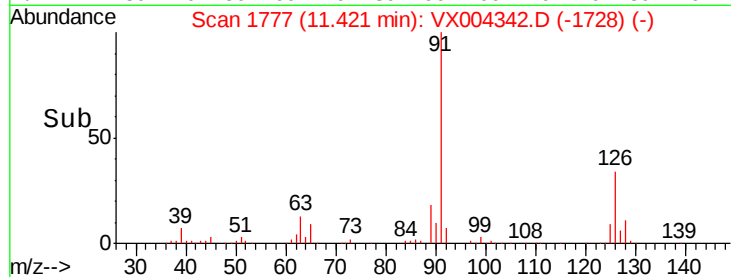
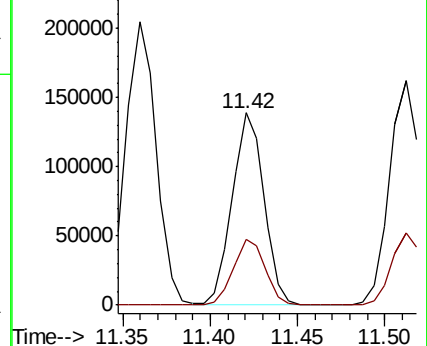
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.42 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004342.D

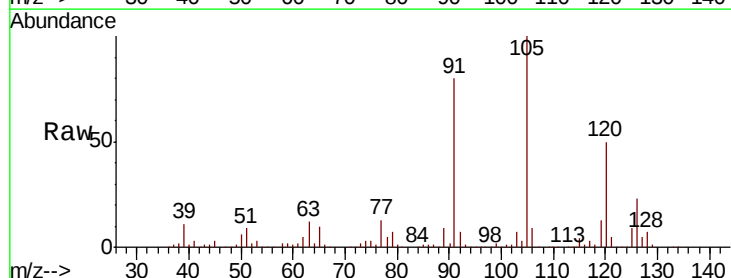
Acq: 04 Sep 2018 13:04

Tgt Ion:105 Resp: 195196

Ion Ratio Lower Upper

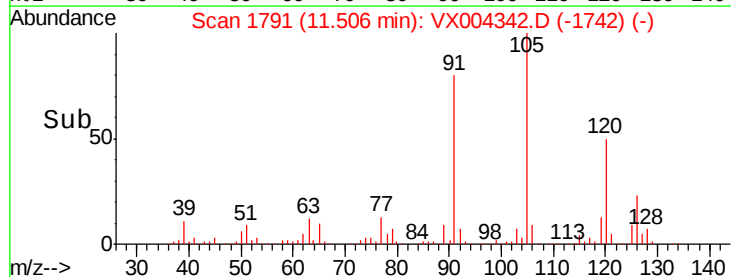
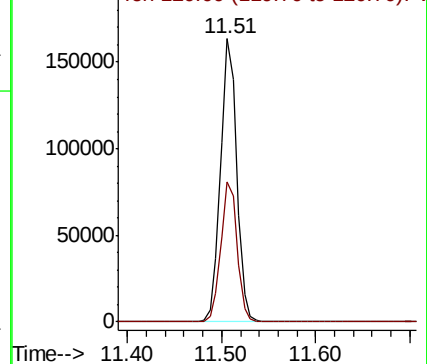
105 100

120 49.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.97 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004342.D

Acq: 04 Sep 2018 13:04

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBS01

Tot Ion: 75 Resp: 25610

Ion Ratio Lower Upper

75 100

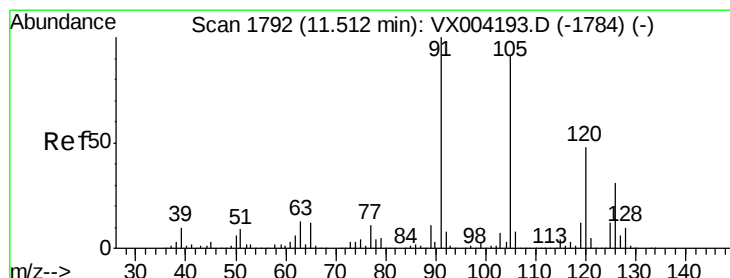
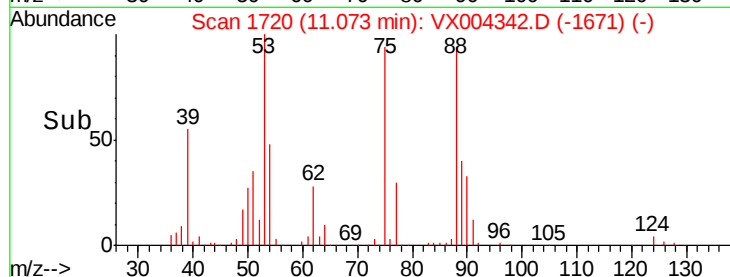
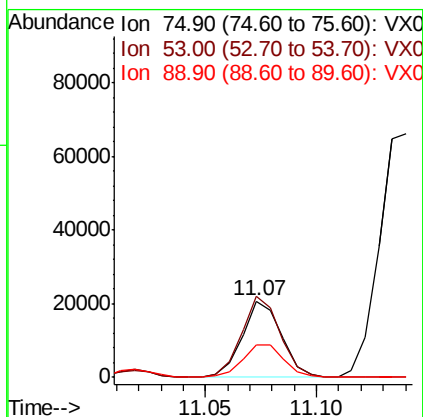
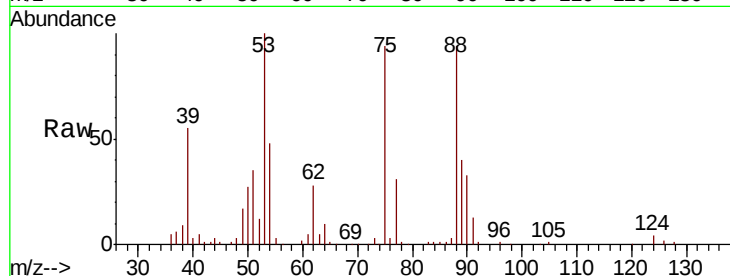
53 105.4 80.1 120.1

89 45.1 37.2 55.8

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#82

4-Chlorotoluene

Concen: 18.92 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004342.D

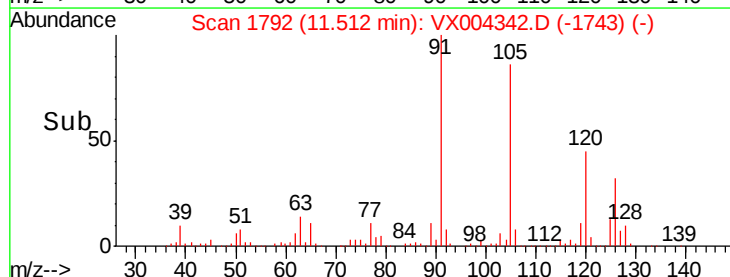
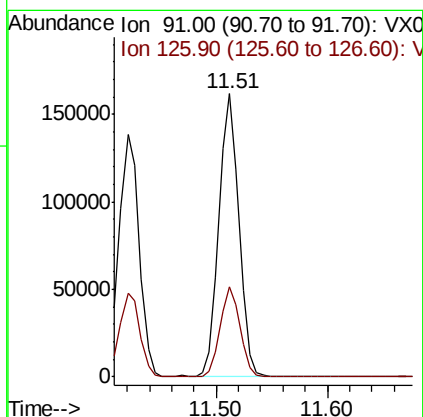
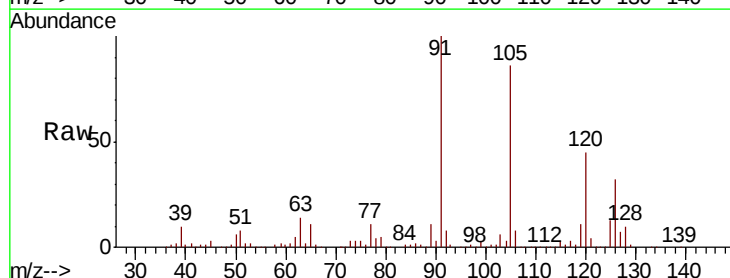
Acq: 04 Sep 2018 13:04

Tgt Ion: 91 Resp: 201718

Ion Ratio Lower Upper

91 100

126 31.7 15.5 46.5





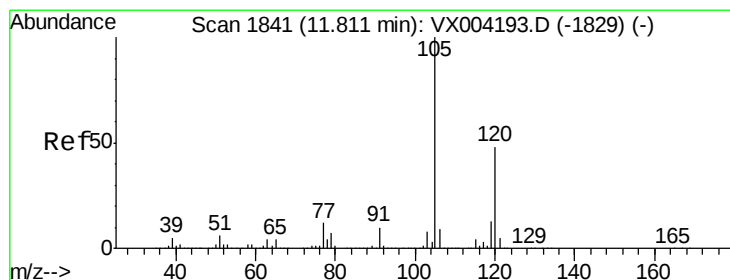
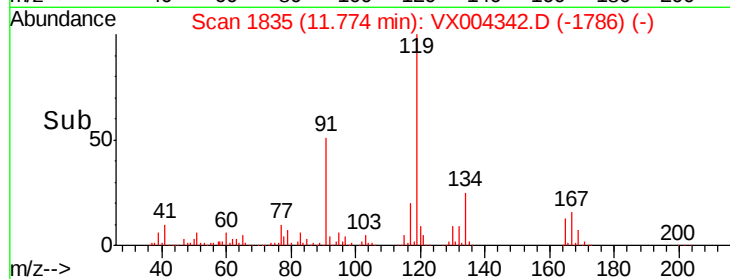
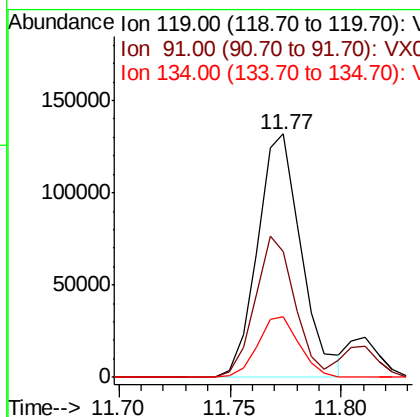
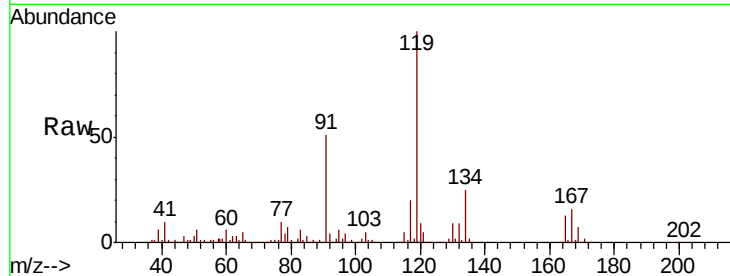
#83
 tert-Butylbenzene
 Concen: 16.91 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	180302		
91	52.7	27.0	81.0	
134	23.9	11.7	35.1	

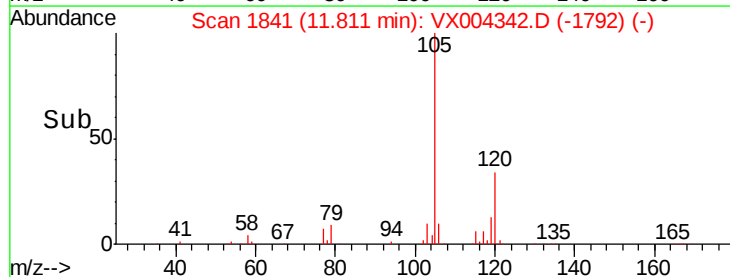
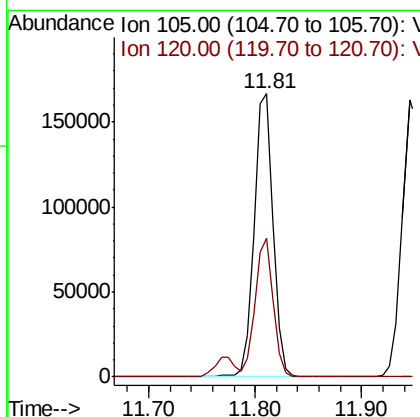
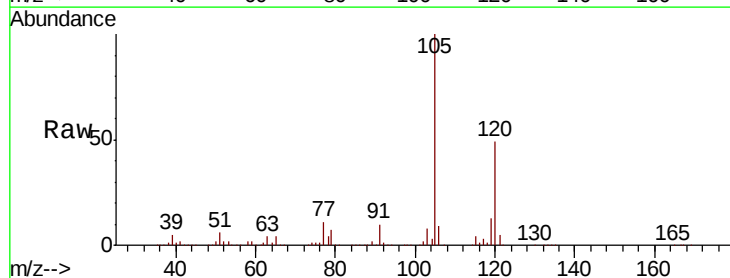
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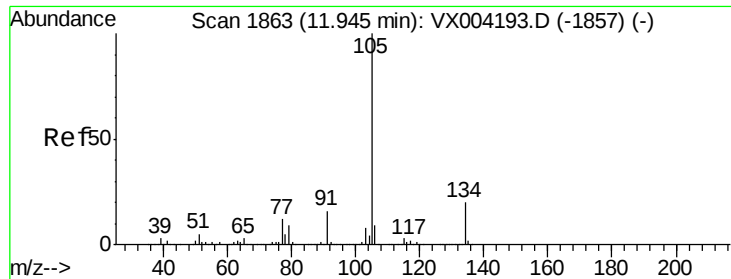
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.13 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	208088		
120	46.8	23.2	69.6	





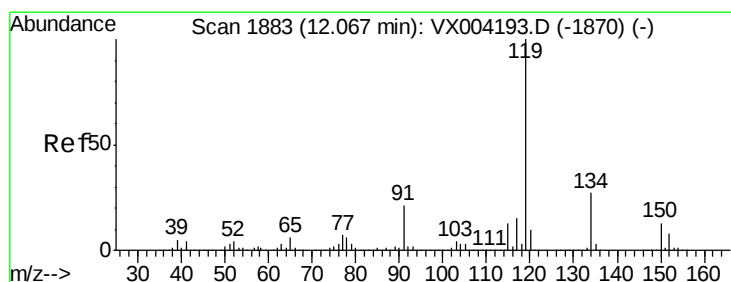
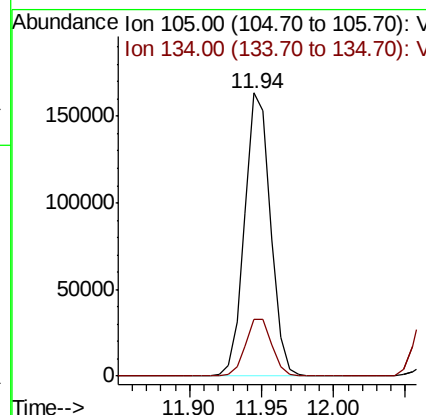
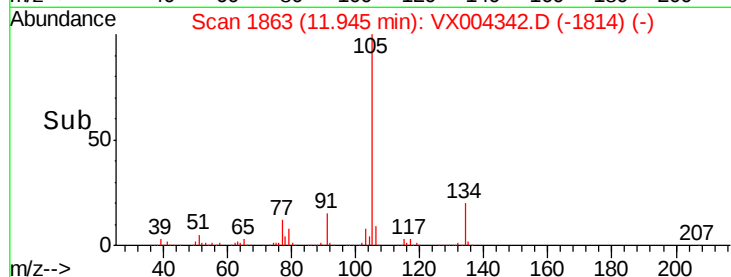
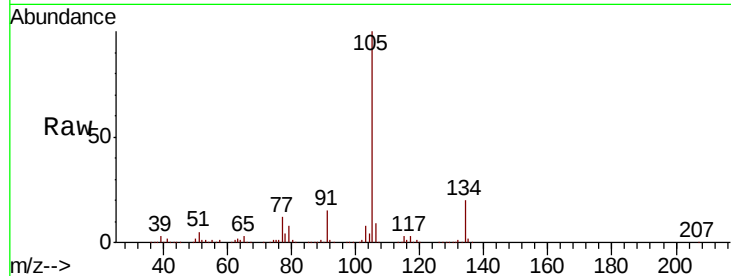
#85
 sec-Butylbenzene
 Concen: 16.01 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.5

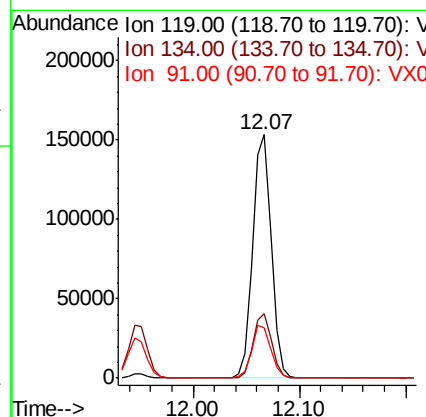
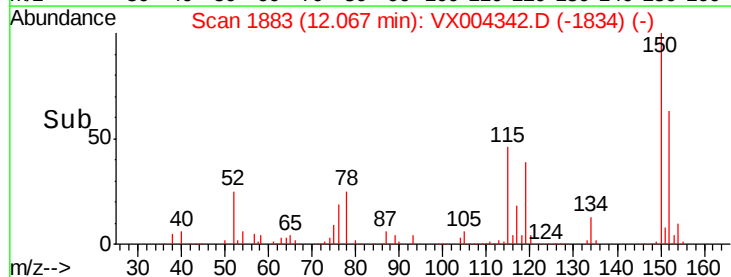
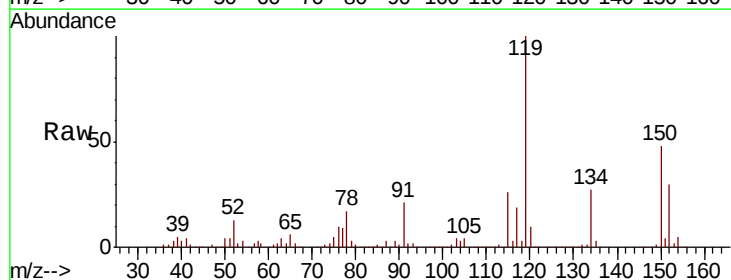
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#86
 p-Isopropyltoluene
 Concen: 16.62 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	21.9	10.9	32.7





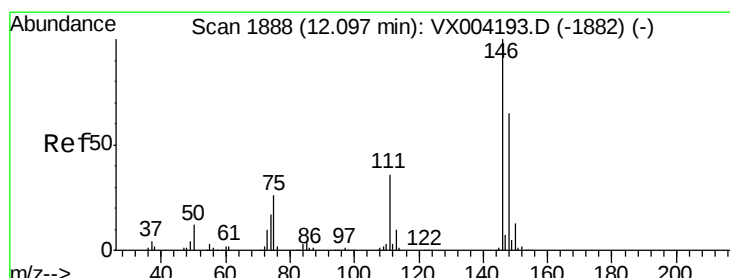
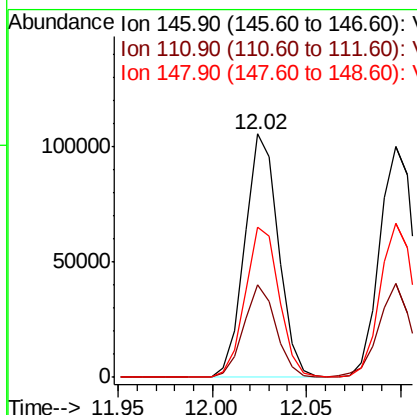
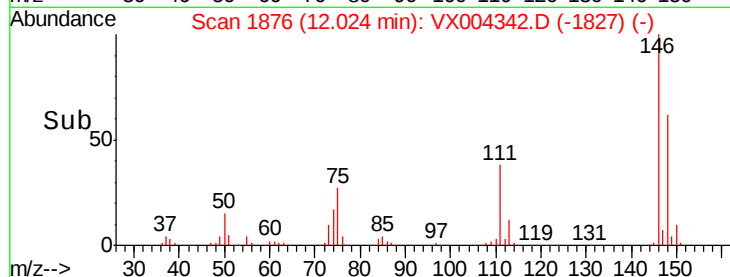
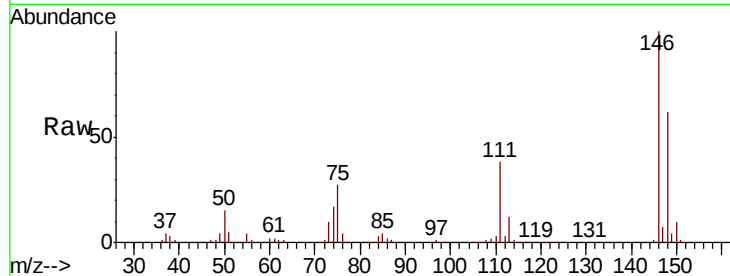
#87
 1,3-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0904WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.7	56.1
148	62.4	32.1	96.5

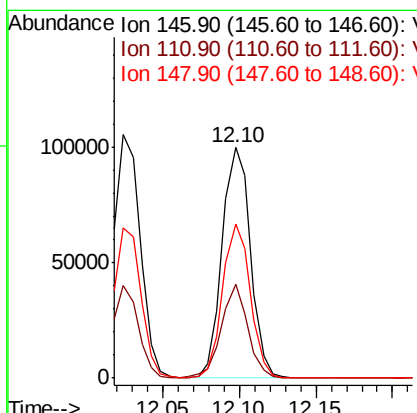
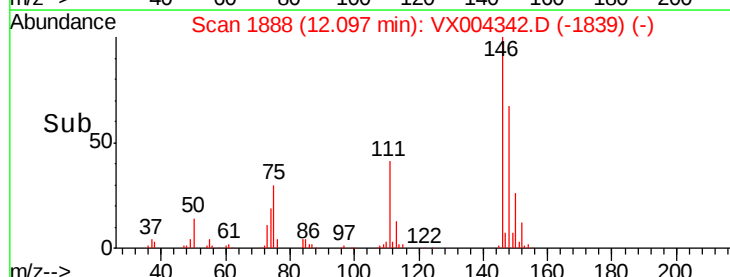
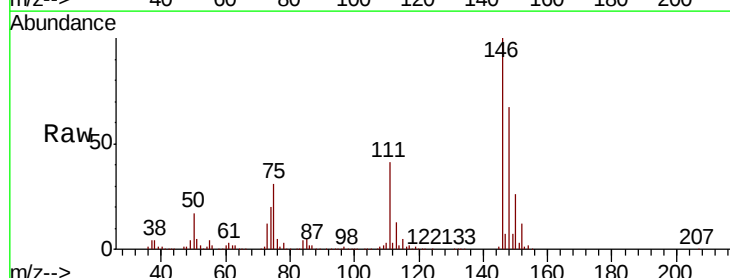
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#88
 1,4-Dichlorobenzene
 Concen: 17.99 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	65.8	32.0	96.0





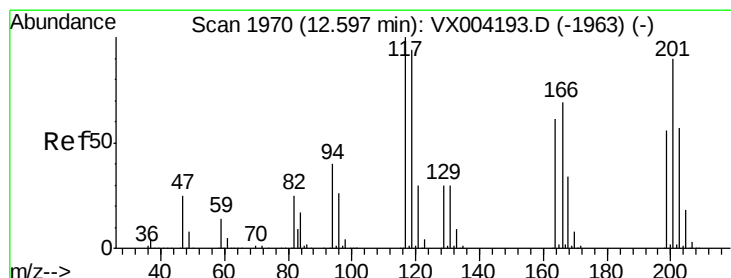
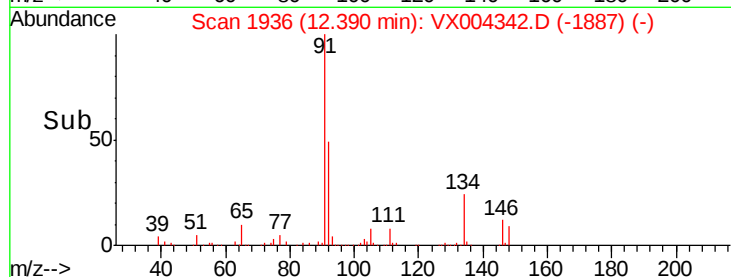
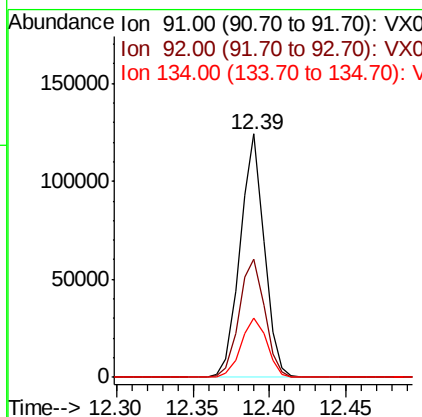
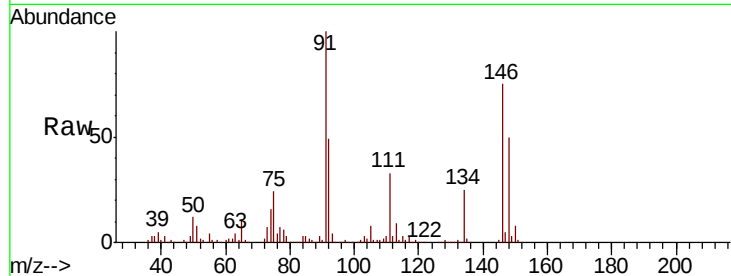
#89
n-Butylbenzene
Concen: 14.73 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.8	27.3	81.9	
134	26.2	13.6	40.7	

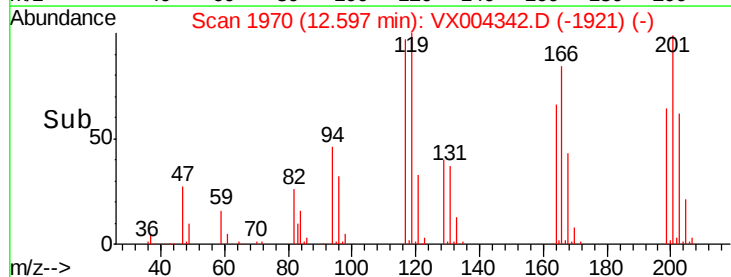
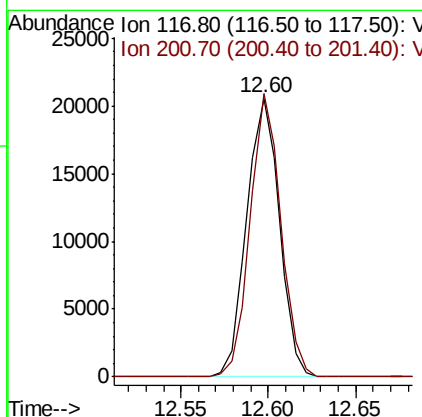
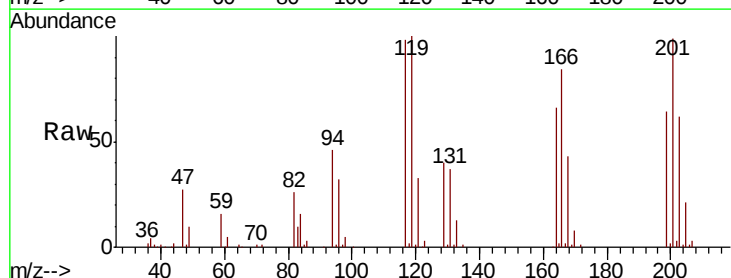
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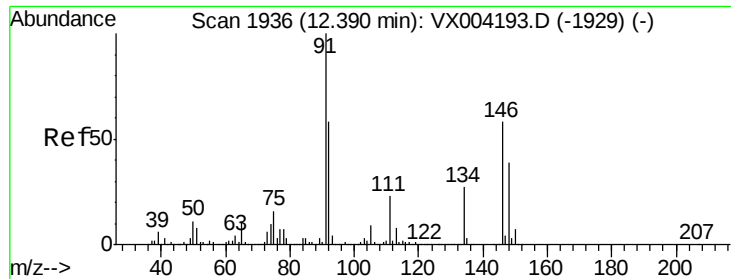
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#90
Hexachloroethane
Concen: 16.97 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	94.8	46.9	140.6	





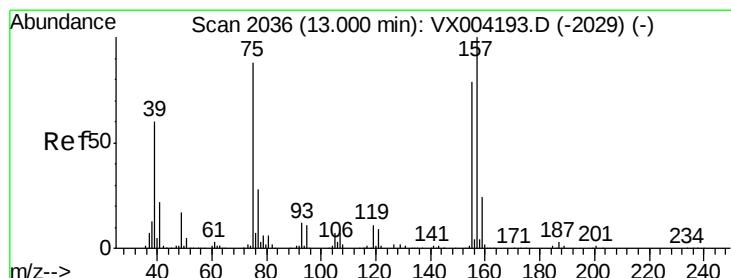
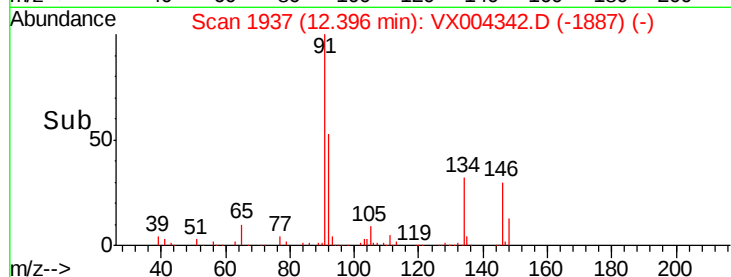
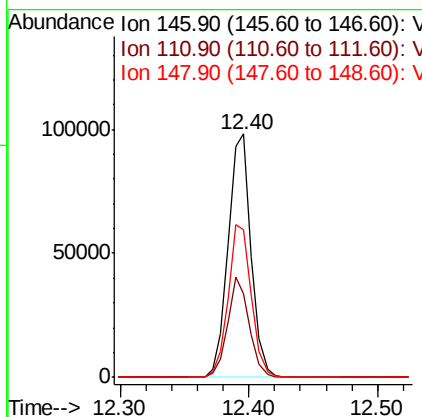
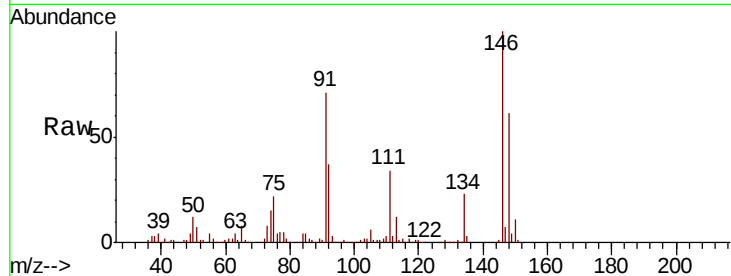
#91
 1,2-Dichlorobenzene
 Concen: 19.90 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122906		
111	38.8	19.4	58.1	
148	63.4	32.8	98.3	

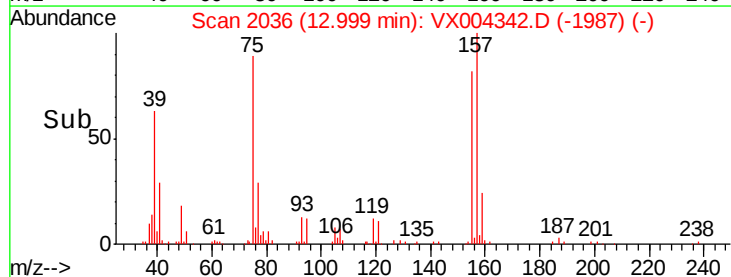
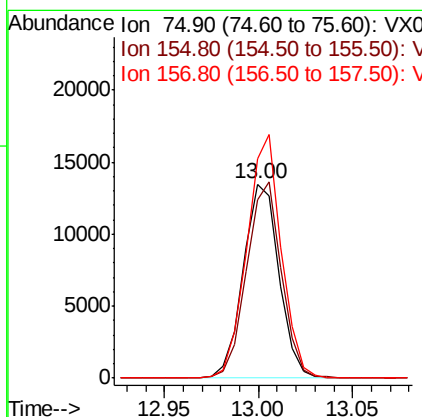
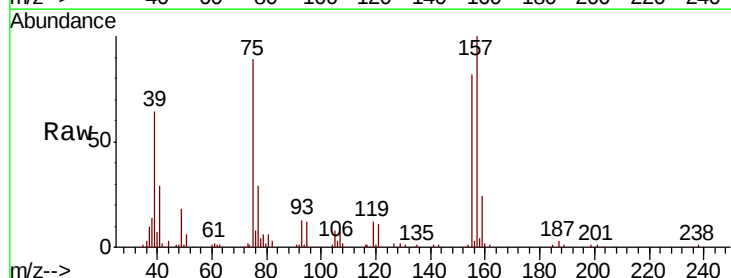
Manual Integrations
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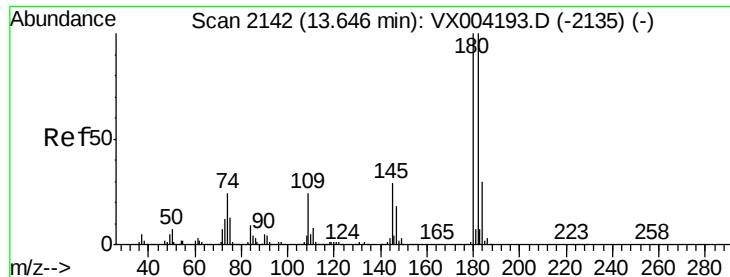
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.48 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17731		
155	98.3	48.0	144.2	
157	120.7	61.4	184.1	





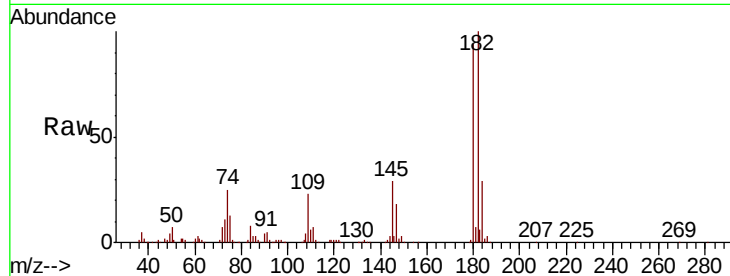
#93
 1,2,4-Trichlorobenzene
 Concen: 18.86 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	84784		
182	98.6	48.4	145.0	
145	28.4	14.3	42.9	

Manual Integrations
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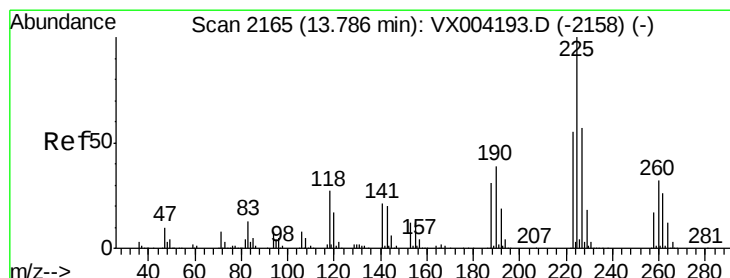
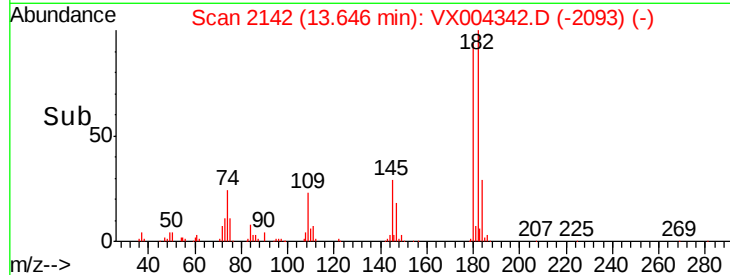
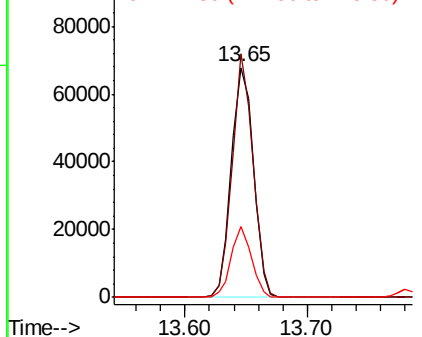


Abundance

Ion 179.80 (179.50 to 180.50): V

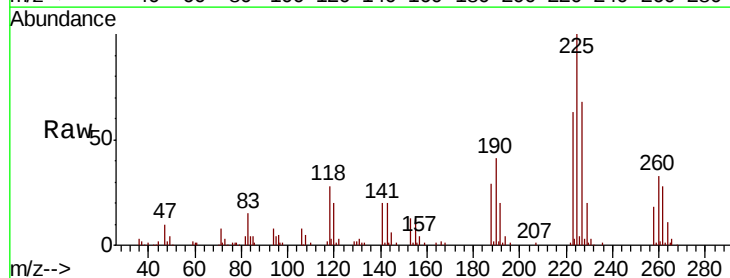
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 15.83 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004342.D
 Acq: 04 Sep 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33296		
223	62.7	30.1	90.5	
227	63.5	30.8	92.4	

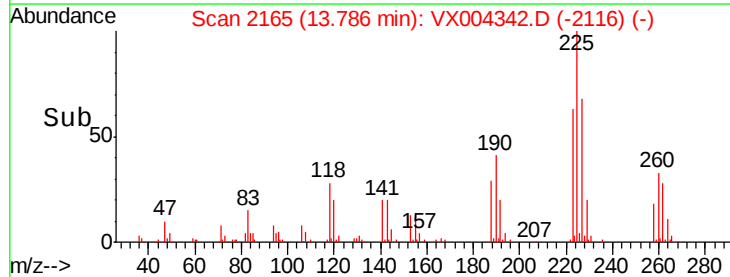
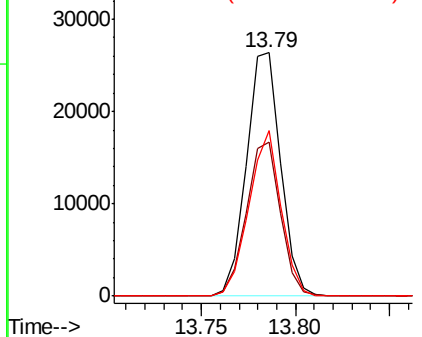


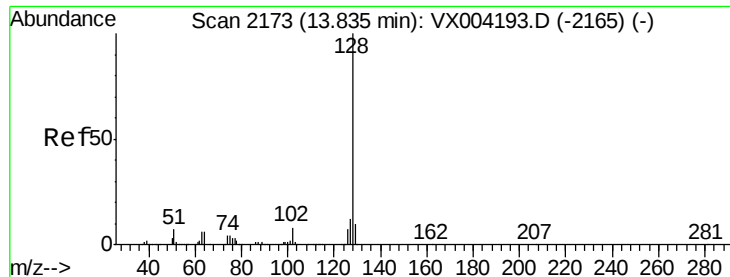
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





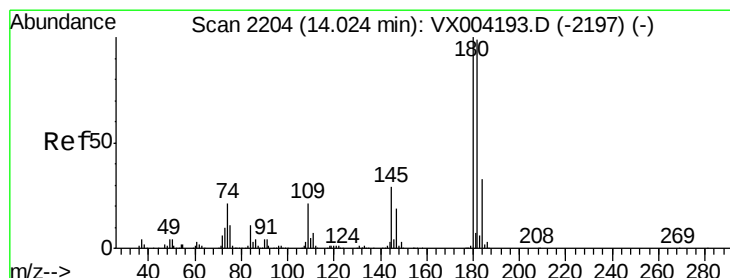
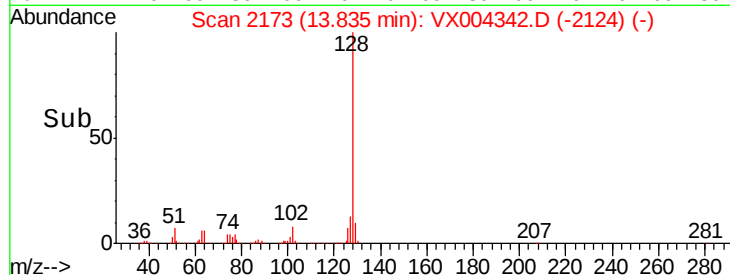
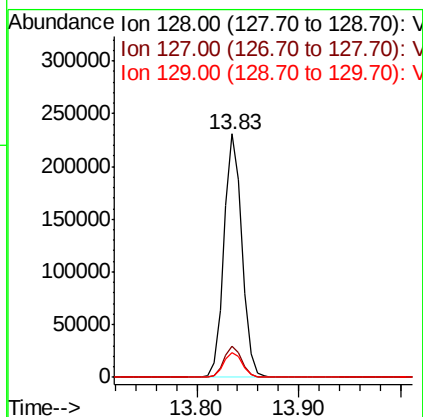
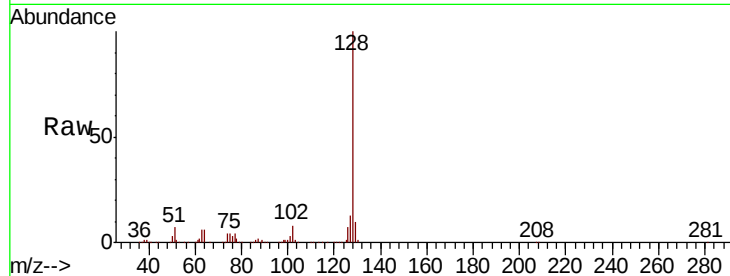
#95
Naphthalene
Concen: 22.20 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		282290		
127	12.8		10.2	15.2	
129	10.8		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/5/2018 4:52:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.47 ug/l
RT: 14.02 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VX004342.D
Acq: 04 Sep 2018 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		97413		
182	96.6		48.5	145.6	
145	29.3		14.9	44.9	

