

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004366.D
 Acq On : 05 Sep 2018 12:42
 Operator : JC/MD
 Sample : VX0905WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 12:48:29 PM

Quant Time: Sep 06 01:12:55 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	307925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	447139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	254657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	190326	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
35) Dibromofluoromethane	5.50	113	166042	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	8.71	98	621214	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.14	95	232193	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	65279	18.30	ug/l	96
3) Chloromethane	1.32	50	73921	18.93	ug/l	100
4) Vinyl Chloride	1.40	62	77086	19.11	ug/l	100
5) Bromomethane	1.64	94	37522	17.55	ug/l	99
6) Chloroethane	1.72	64	65346	21.94	ug/l	99
7) Trichlorofluoromethane	1.92	101	106203	19.21	ug/l	95
8) Diethyl Ether	2.18	74	48752	20.59	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67531	19.50	ug/l	98
10) Methyl Iodide	2.51	142	67087	19.97	ug/l	97
11) Tert butyl alcohol	3.07	59	90343	105.60	ug/l	100
12) 1,1-Dichloroethene	2.37	96	61831	18.95	ug/l	98
13) Acrolein	2.29	56	20983	101.73	ug/l	99
14) Allyl chloride	2.73	41	122512	20.44	ug/l	97
15) Acrylonitrile	3.15	53	217697	102.75	ug/l	100
16) Acetone	2.45	43	181783	106.32	ug/l	97
17) Carbon Disulfide	2.57	76	149736	17.06	ug/l	100
18) Methyl Acetate	2.78	43	156661	26.30	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	224137	20.85	ug/l	97
20) Methylene Chloride	2.86	84	75224	19.47	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	68122	18.87	ug/l	97
22) Diisopropyl ether	3.87	45	231562	20.69	ug/l	98
23) Vinyl Acetate	3.82	43	863627	95.22	ug/l	99
24) 1,1-Dichloroethane	3.69	63	130509	20.01	ug/l	99
25) 2-Butanone	4.71	43	282670	103.44	ug/l	99
26) 2,2-Dichloropropane	4.58	77	99952	19.54	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	79999	19.53	ug/l	100
28) Bromochloromethane	5.01	49	58155	20.14	ug/l	98
29) Tetrahydrofuran	5.16	42	178644	103.60	ug/l	99
30) Chloroform	5.21	83	131558	20.12	ug/l	98
31) Cyclohexane	5.57	56	106788	18.98	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	108314	19.87	ug/l	98
36) 1,1-Dichloropropene	5.79	75	95904	19.08	ug/l	99
37) Ethyl Acetate	4.86	43	99008	20.03	ug/l	99
38) Carbon Tetrachloride	5.78	117	91626	19.38	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VX0905WBS01

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 06 01:12:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107714	18.77	ug/l	98
40) Benzene	6.14	78	298951	19.90	ug/l	99
41) Methacrylonitrile	5.06	41	59712	20.84	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101407	19.79	ug/l	100
43) Isopropyl Acetate	6.46	43	155527	20.47	ug/l	100
44) Trichloroethene	7.21	130	80635	19.39	ug/l	96
45) 1,2-Dichloropropane	7.52	63	76999	20.48	ug/l	100
46) Dibromomethane	7.67	93	48883	19.53	ug/l	99
47) Bromodichloromethane	7.90	83	92444	19.85	ug/l	100
48) Methyl methacrylate	7.77	41	83131	20.45	ug/l	99
49) 1,4-Dioxane	7.76	88	38704	419.37	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	549364	99.53	ug/l	100
52) Toluene	8.79	92	189984	20.21	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	101427	19.72	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	114975	20.52	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	77771	20.49	ug/l	97
56) Ethyl methacrylate	9.18	69	105997	20.51	ug/l	98
57) 1,3-Dichloropropane	9.37	76	131631	20.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	265090	100.13	ug/l	99
59) 2-Hexanone	9.50	43	414131	98.35	ug/l	99
60) Dibromochloromethane	9.59	129	73126	19.77	ug/l	99
61) 1,2-Dibromoethane	9.67	107	79040	20.12	ug/l	98
64) Tetrachloroethene	9.34	164	84018	20.68	ug/l	99
65) Chlorobenzene	10.14	112	211625	20.50	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	71249	20.01	ug/l	98
67) Ethyl Benzene	10.25	91	331853	19.80	ug/l	100
68) m/p-Xylenes	10.36	106	263280	40.16	ug/l	96
69) o-Xylene	10.70	106	131615	21.23	ug/l	100
70) Styrene	10.71	104	214502	21.37	ug/l	99
71) Bromoform	10.86	173	54724	19.07	ug/l	99
73) Isopropylbenzene	11.02	105	357258	21.36	ug/l	100
74) N-amyl acetate	10.90	43	129366	20.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	117056	20.00	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	107397m	20.74	ug/l	
77) Bromobenzene	11.26	156	96825	20.64	ug/l	98
78) n-propylbenzene	11.36	91	411708	21.40	ug/l	99
79) 2-Chlorotoluene	11.42	91	246493	20.82	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	297781	21.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	30884	19.35	ug/l	97
82) 4-Chlorotoluene	11.51	91	281321	20.19	ug/l	99
83) tert-Butylbenzene	11.77	119	296101	21.25	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	304726	21.43	ug/l	99
85) sec-Butylbenzene	11.94	105	365420	22.09	ug/l	100
86) p-Isopropyltoluene	12.07	119	326682	22.03	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178378	20.19	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	183053	19.65	ug/l	99
89) n-Butylbenzene	12.39	91	251319	20.84	ug/l	98
90) Hexachloroethane	12.60	117	43758	21.11	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	163874	20.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20922	20.29	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

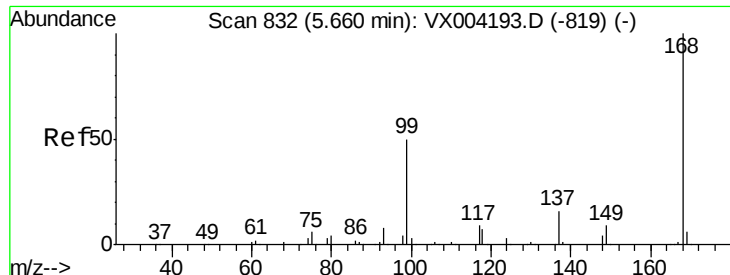
Manual Integrations
APPROVED

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9/6/2018 12:48:29 PM

Quant Time: Sep 06 01:12:55 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)
93) 1,2,4-Trichlorobenzene	13.65	180	126095	21.47	ug/l	98
94) Hexachlorobutadiene	13.78	225	64126	23.39	ug/l	96
95) Naphthalene	13.83	128	370577	22.30	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	132648	21.33	ug/l	98

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



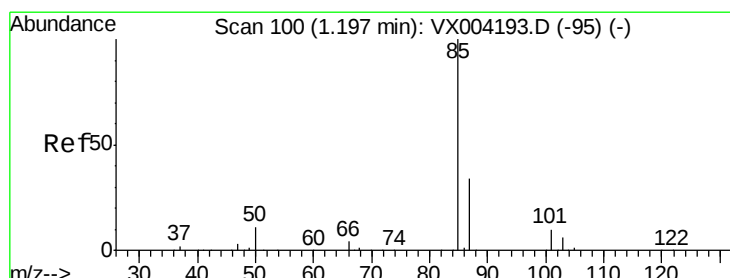
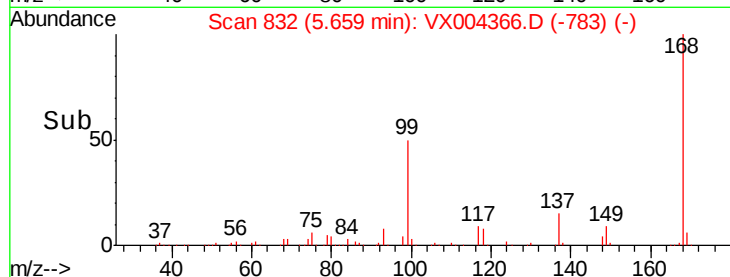
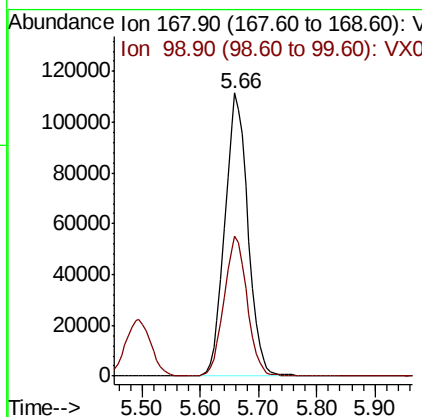
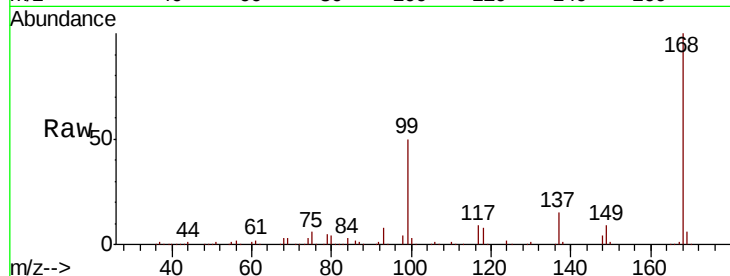
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.5	39.9	59.9

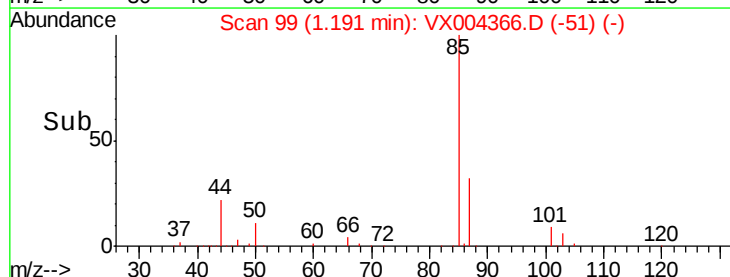
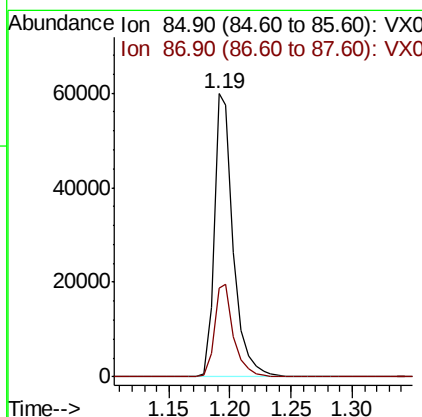
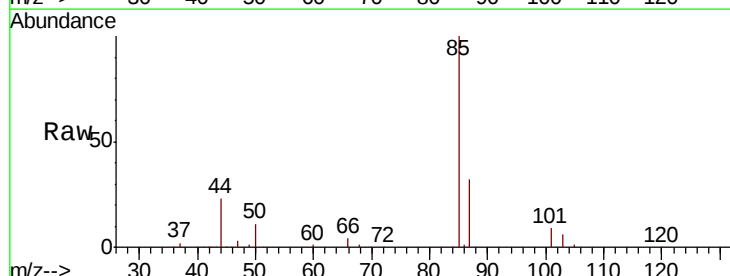
Manual Integrations
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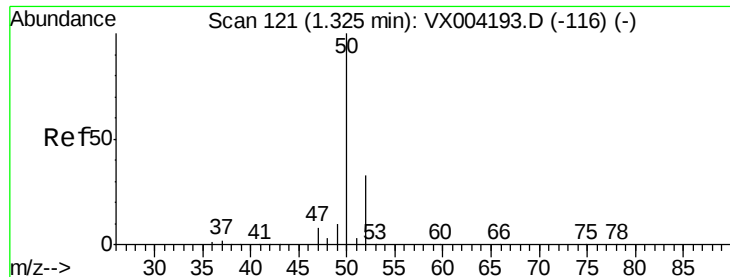
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#2
Dichlorodifluoromethane
Concen: 18.30 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.0	50.9





#3

Chloromethane

Concen: 18.93 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBS01

Tot Ion: 50 Resp: 73921

Ion Ratio Lower Upper

50 100

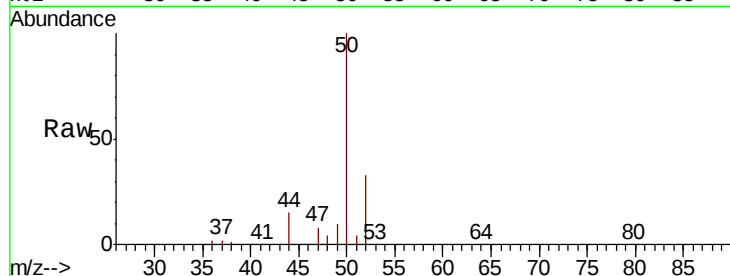
52 32.6 26.2 39.2

Manual Integrations

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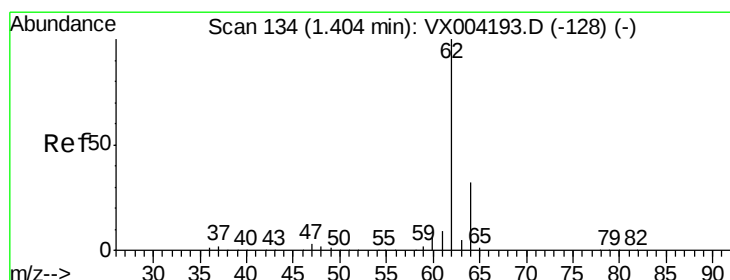
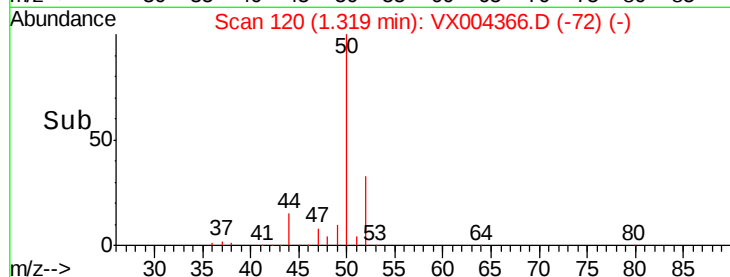
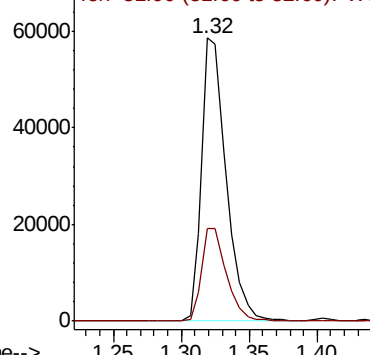
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004366.D

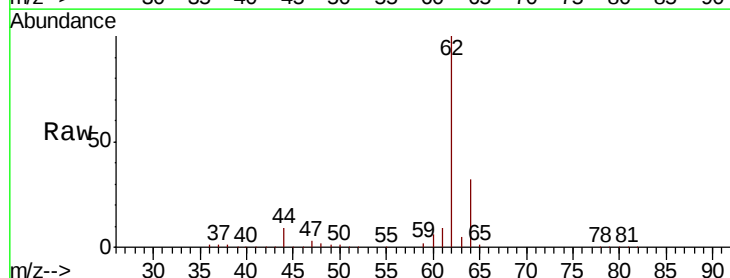
Acq: 05 Sep 2018 12:42

Tgt Ion: 62 Resp: 77086

Ion Ratio Lower Upper

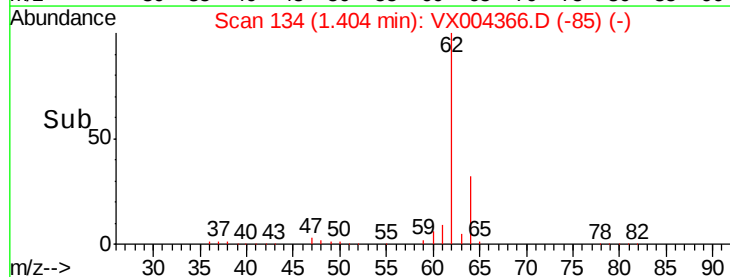
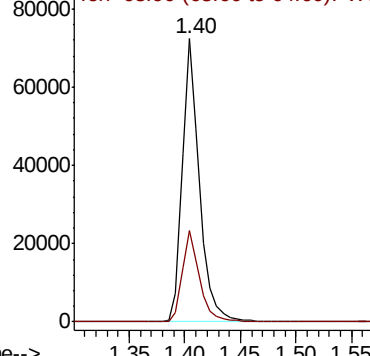
62 100

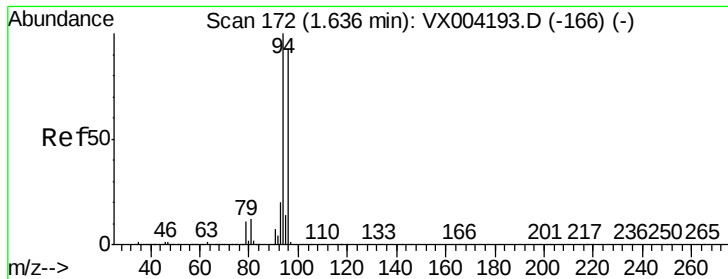
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.55 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBS01

Tot Ion: 94 Resp: 37522

Ion Ratio Lower Upper

94 100

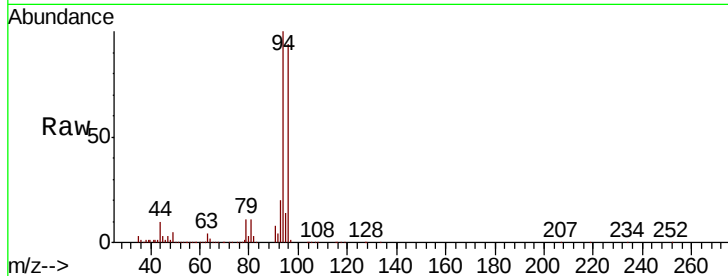
96 93.9 74.5 111.7

Manual Integrations

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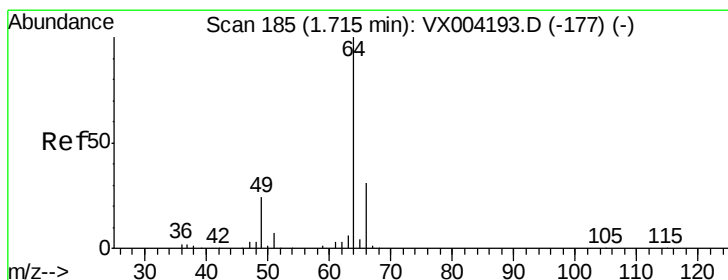
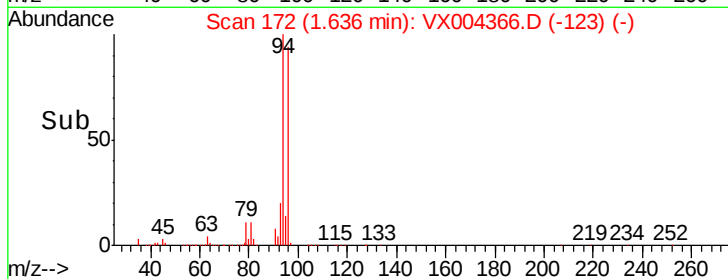
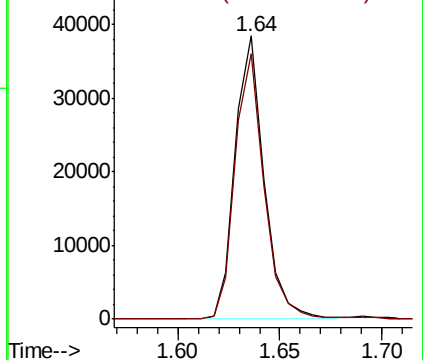
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.94 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004366.D

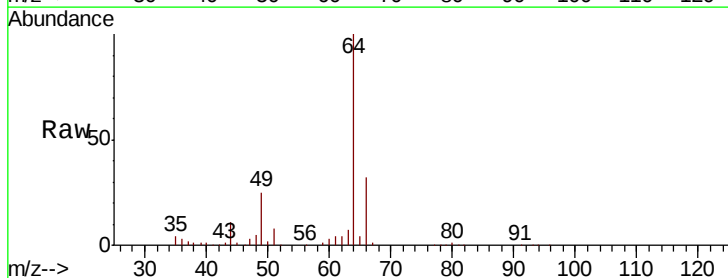
Acq: 05 Sep 2018 12:42

Tgt Ion: 64 Resp: 65346

Ion Ratio Lower Upper

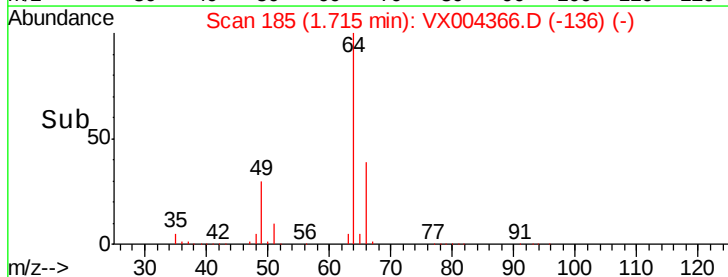
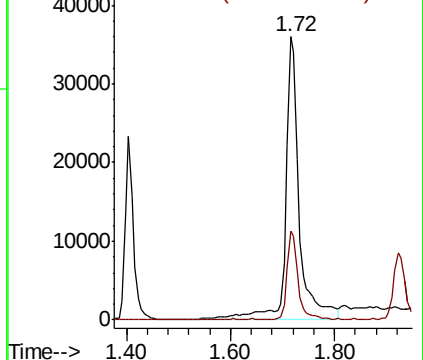
64 100

66 31.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

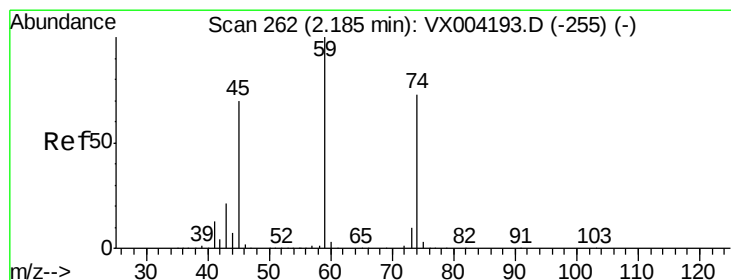
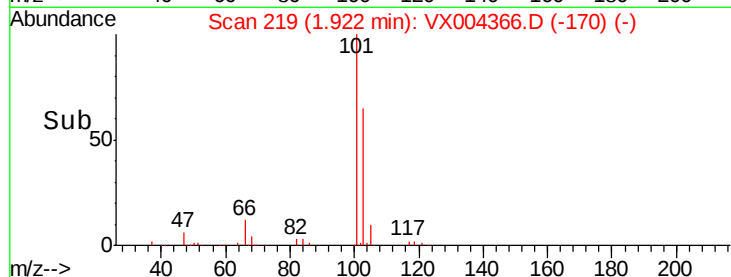
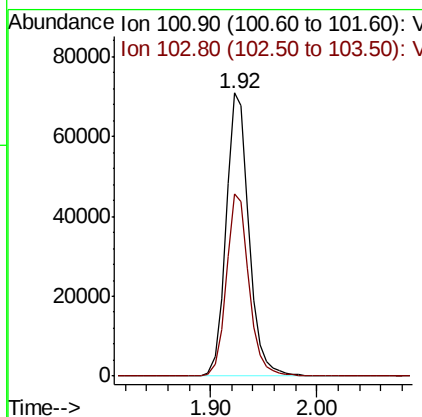
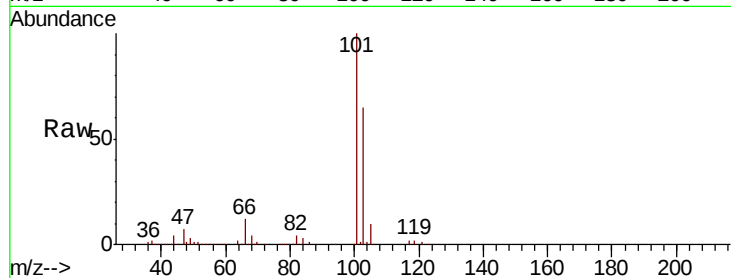
Trichlorofluoromethane
Concen: 19.21 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

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ClientSampleId :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	48.9	73.3

Manual Integrations
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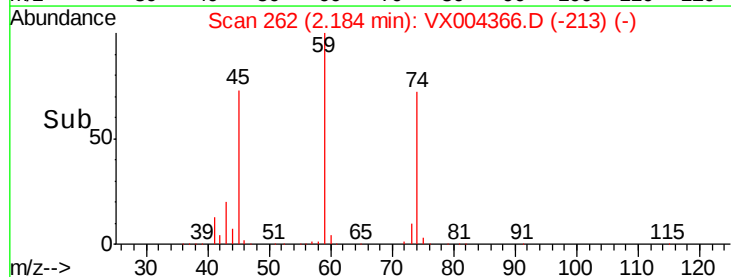
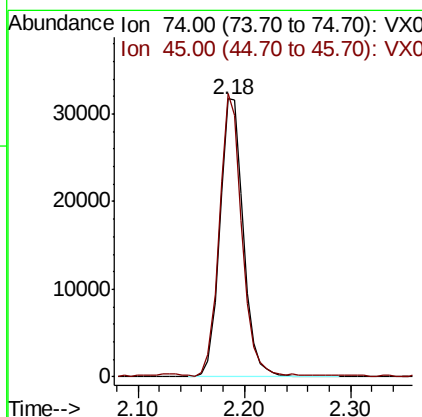
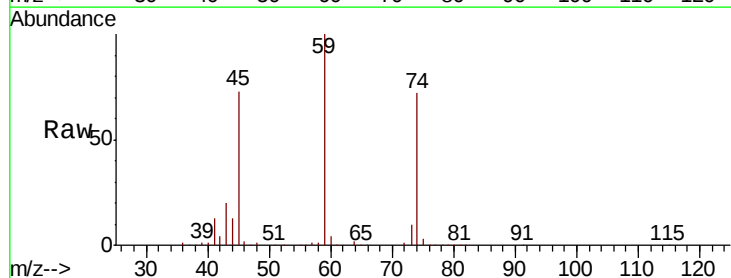
MMDadoda
9/6/2018 12:48:29 PM

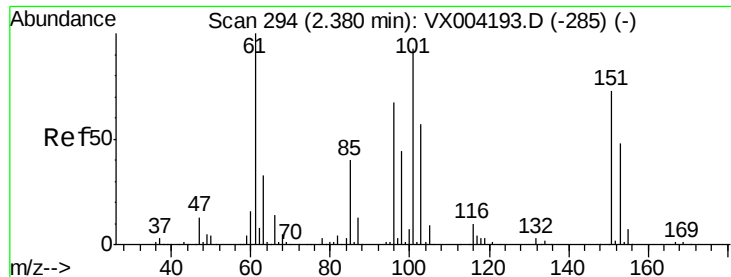


#8

Diethyl Ether
Concen: 20.59 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.50 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

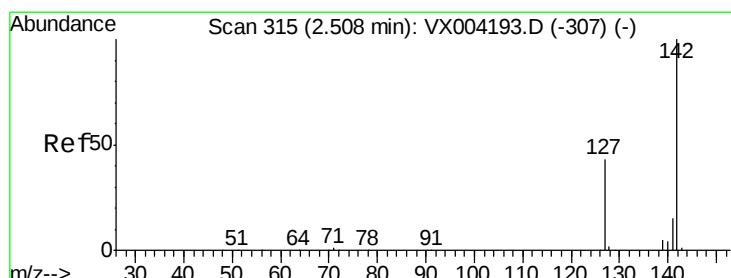
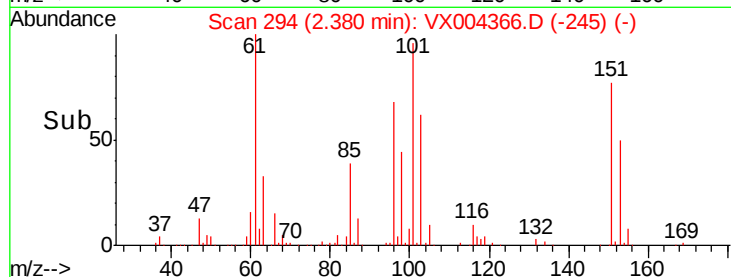
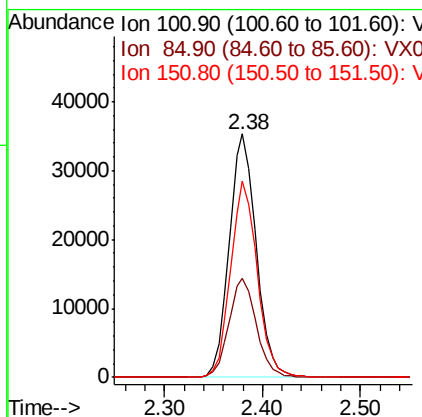
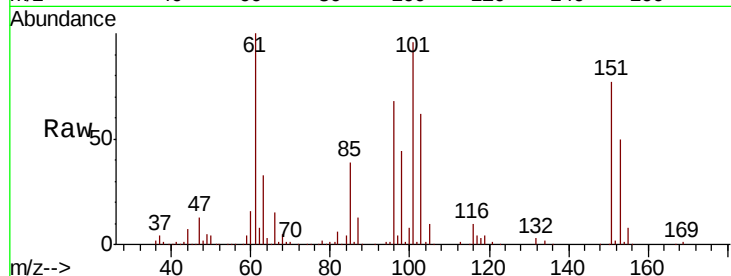
ClientSampleId :

VX0905WBS01

Tot Ion:	101	Resp:	67531
Ion Ratio	Lower	Upper	
101	100		
85	41.3	34.2	51.4
151	79.8	65.0	97.6

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#10

Methyl Iodide

Concen: 19.97 ug/l

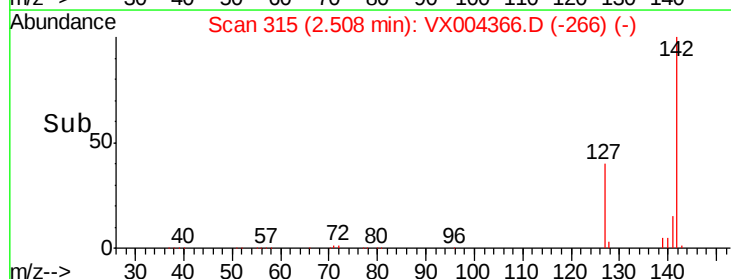
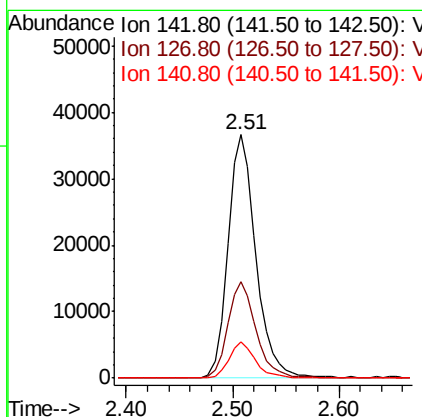
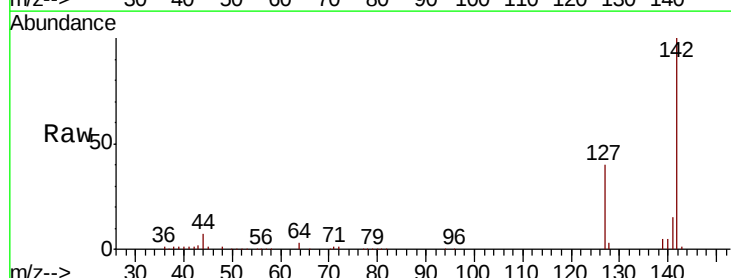
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Tgt Ion:	142	Resp:	67087
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.8	50.6
141	14.1	11.4	17.0





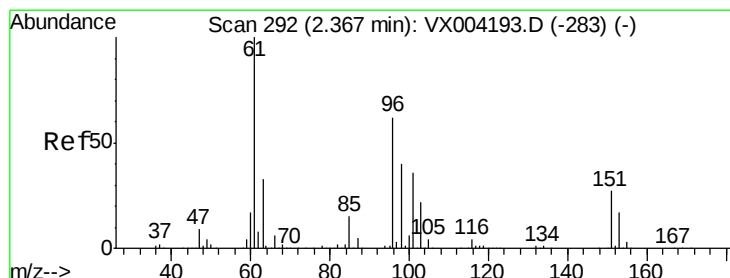
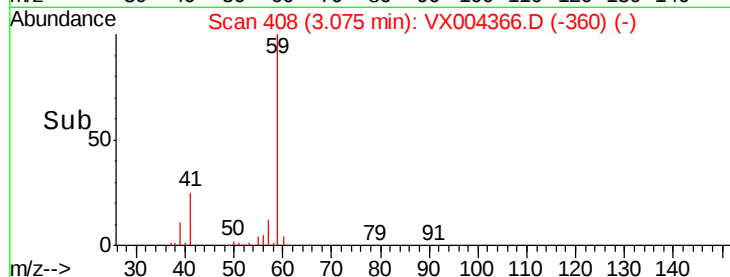
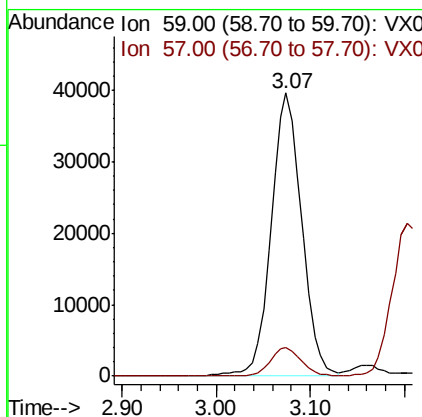
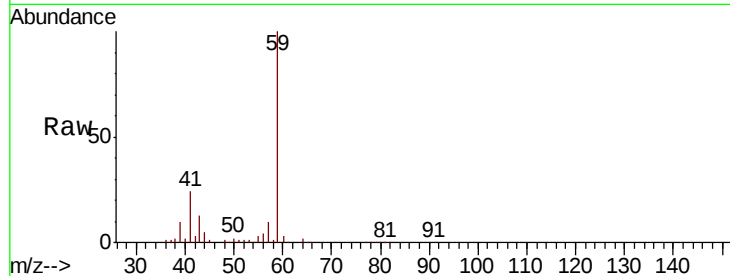
#11
Tert butyl alcohol
Concen: 105.60 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

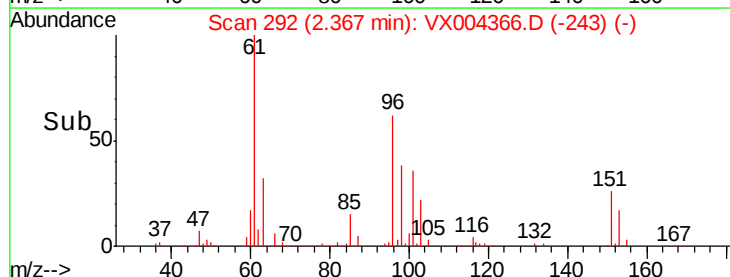
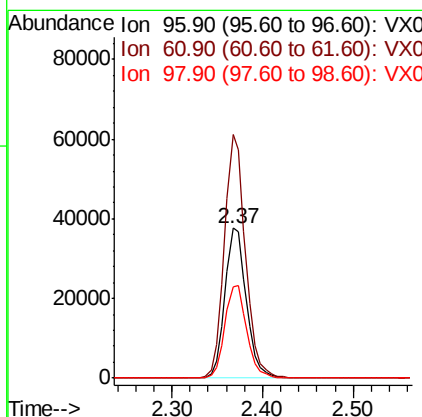
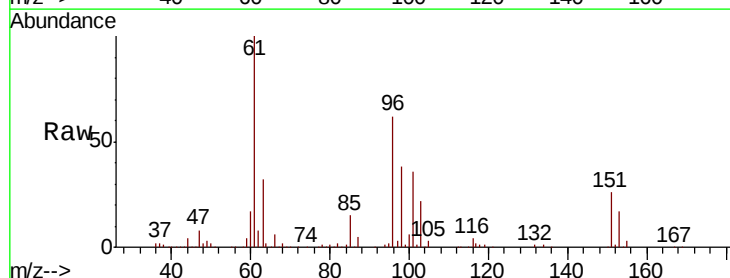
Manual Integrations
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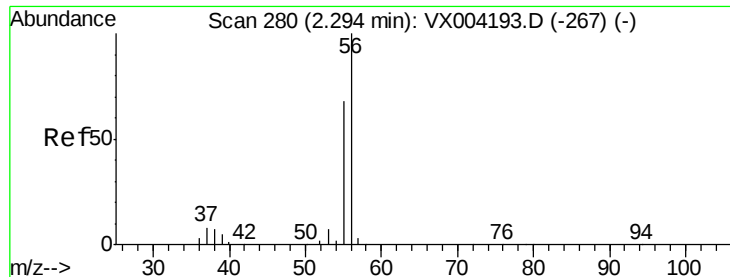
MMDadoda
9/6/2018 12:48:29 PM



#12
1,1-Dichloroethene
Concen: 18.95 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	128.8	193.2
98	61.1	52.2	78.2





#13

Acrolein

Concen: 101.73 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0905WBS01

Tot Ion: 56 Resp: 20983

Ion Ratio Lower Upper

56 100

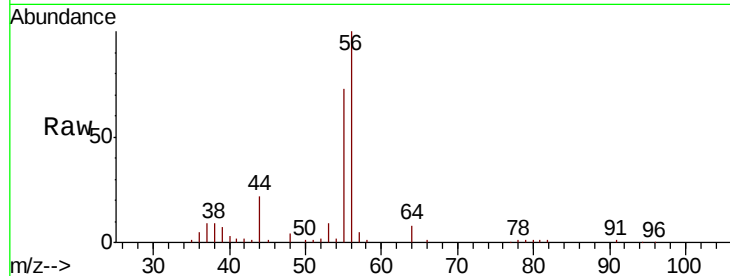
55 69.3 54.7 82.1

Manual Integrations

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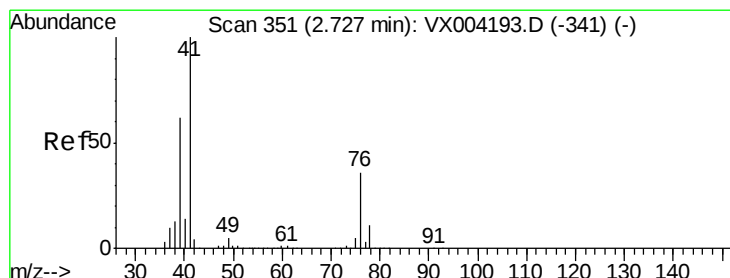
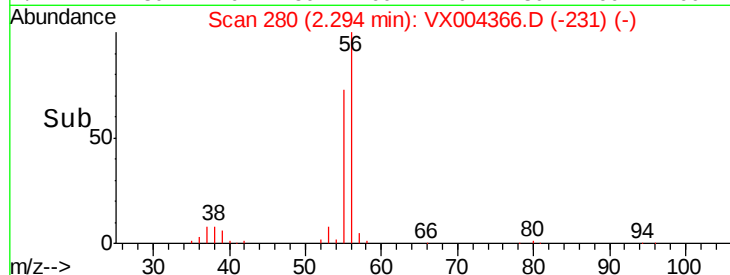
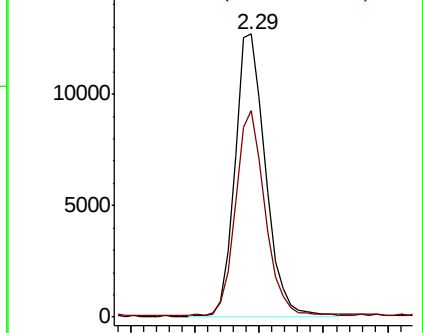
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.44 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

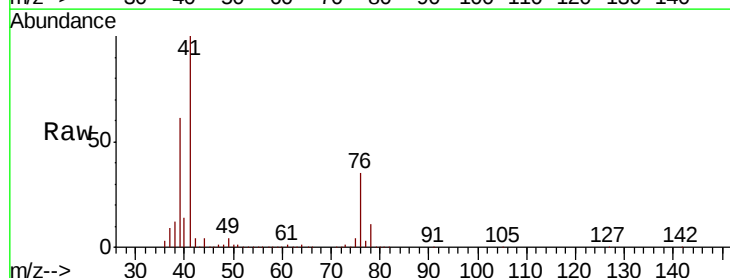
Tgt Ion: 41 Resp: 122512

Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

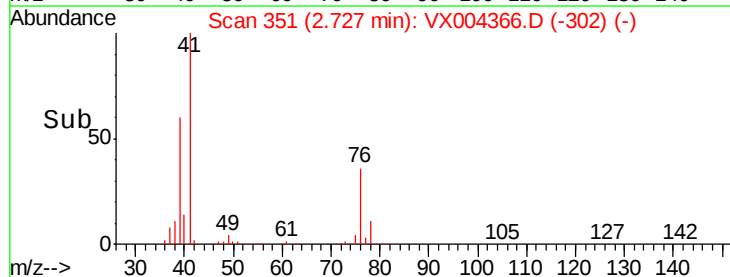
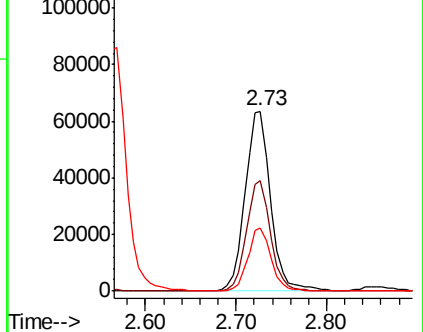
76 32.4 26.7 40.1



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: 102.75 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

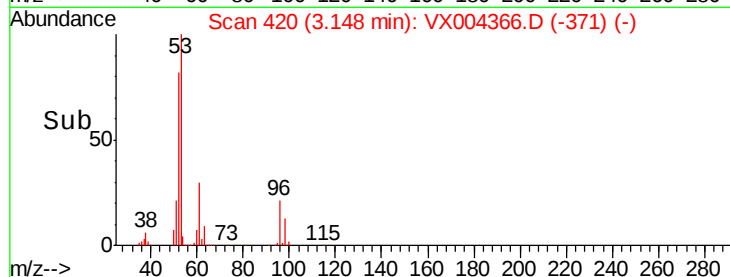
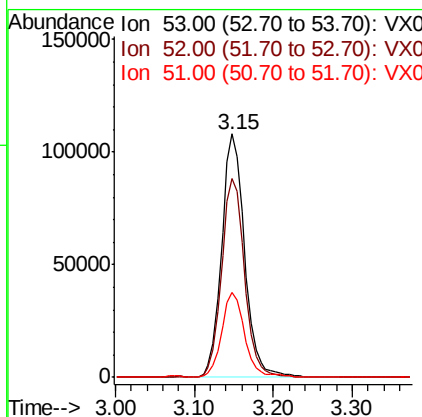
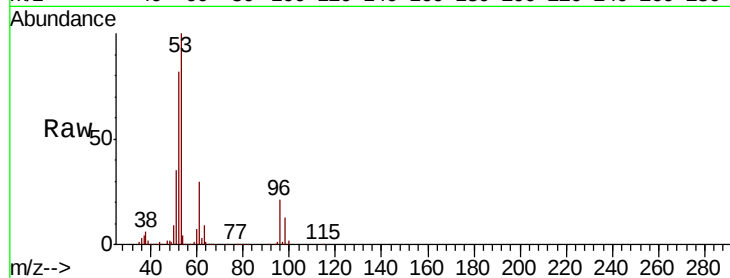
ClientSampled :

VX0905WBS01

Tot Ion:	53	Resp:	217697
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.2	97.8
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 106.32 ug/l

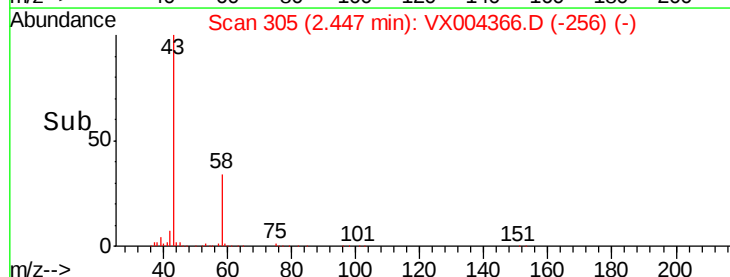
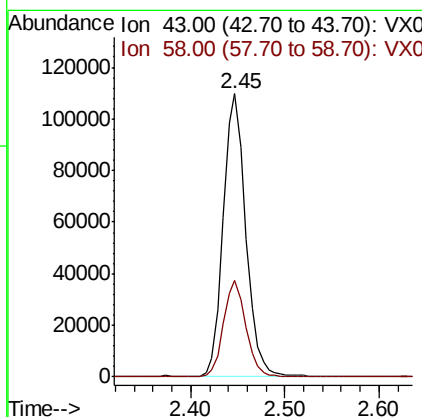
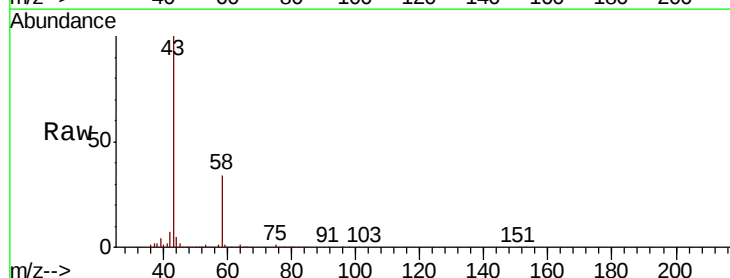
RT: 2.45 min Scan# 305

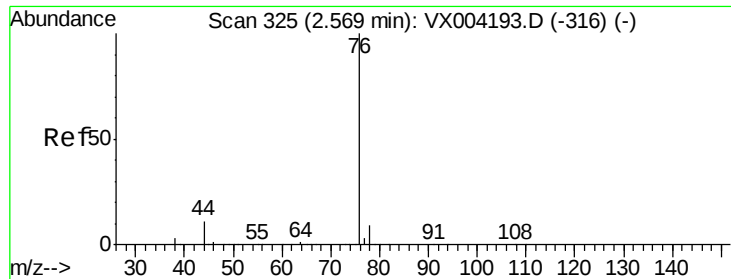
Delta R.T. 0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Tgt Ion:	43	Resp:	181783
Ion Ratio	Lower	Upper	
43	100		
58	34.3	26.2	39.4





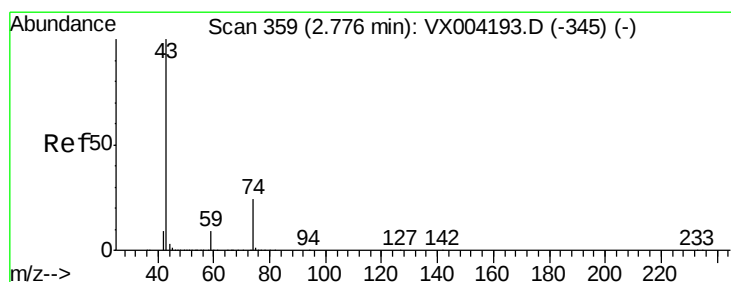
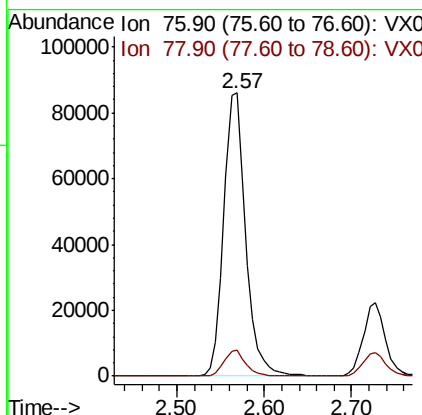
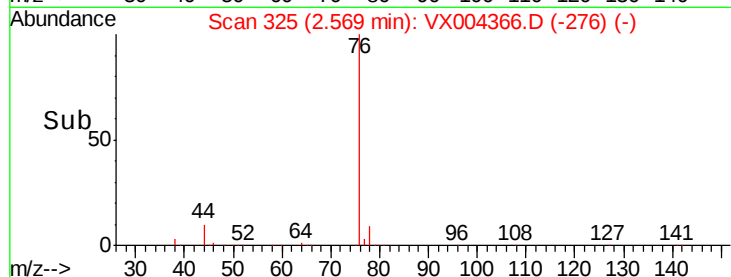
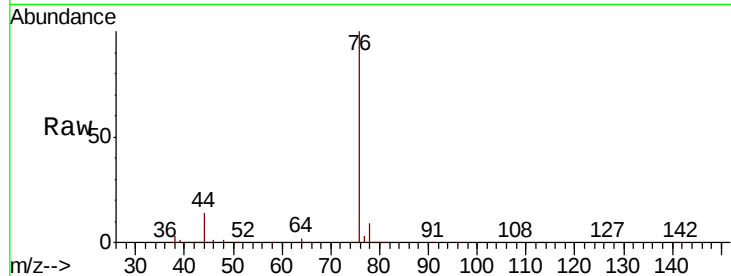
#17
Carbon Disulfide
Concen: 17.06 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

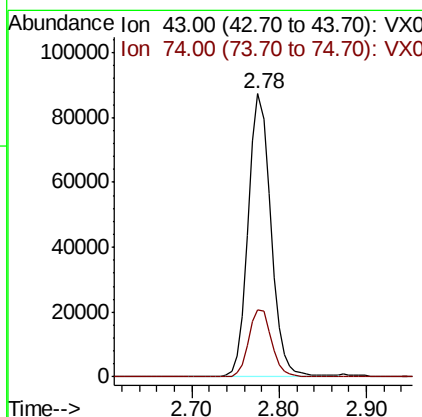
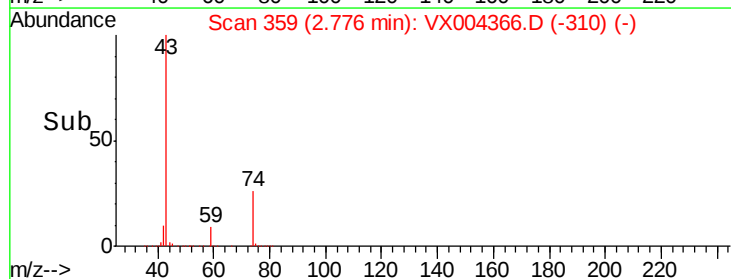
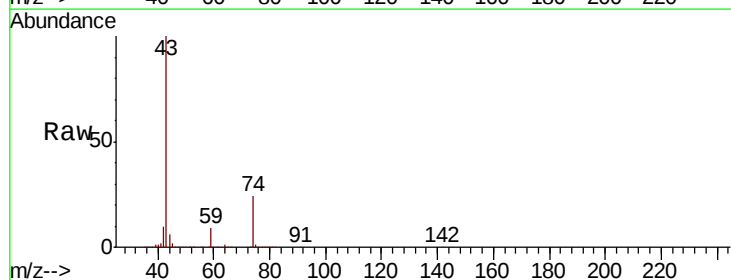
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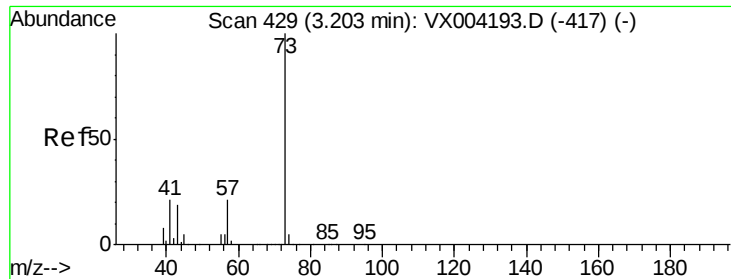
MMDadoda
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#18
Methyl Acetate
Concen: 26.30 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





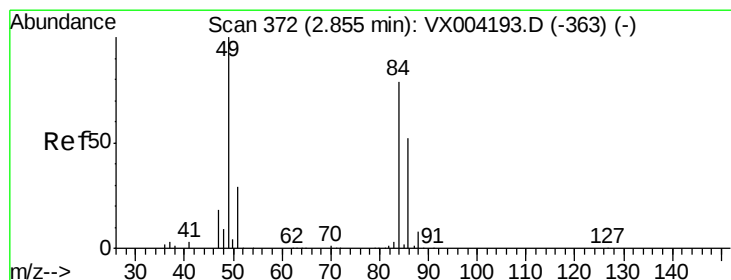
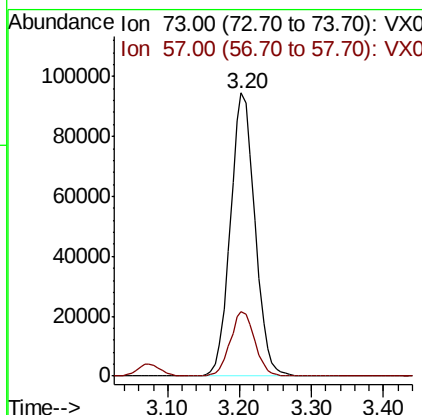
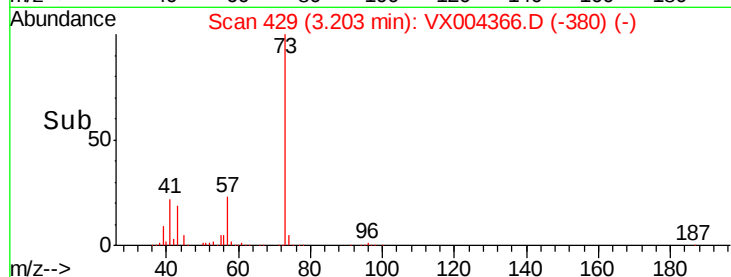
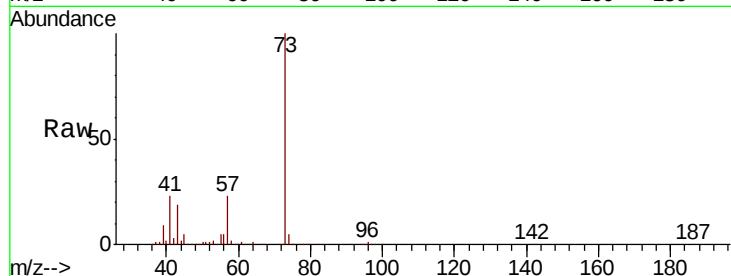
#19
Methvl tert-butvl Ether
Concen: 20.85 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion: 73 Resp: 224137
Ion Ratio Lower Upper
73 100
57 22.6 17.1 25.7

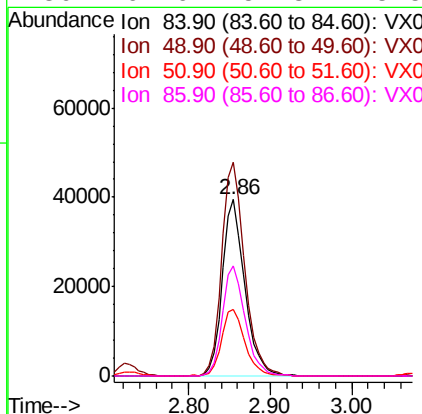
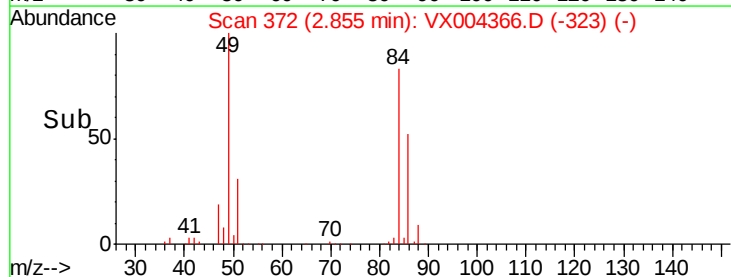
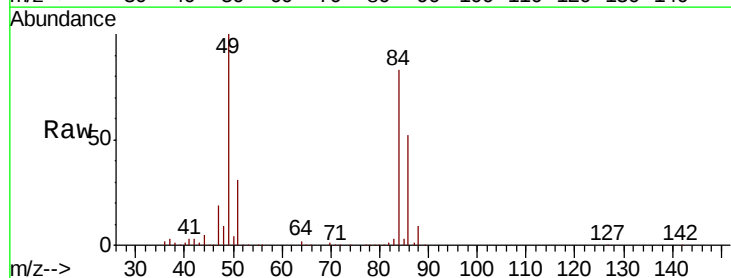
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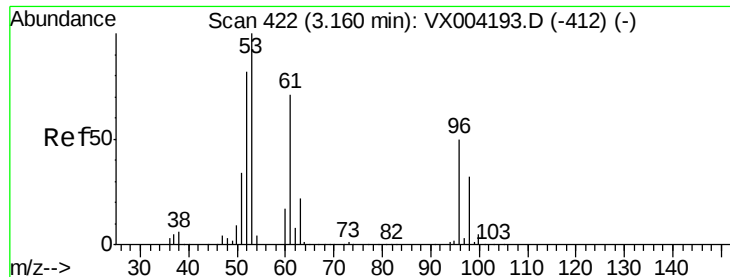
MMDadoda
9/6/2018 12:48:29 PM



#20
Methylene Chloride
Concen: 19.47 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion: 84 Resp: 75224
Ion Ratio Lower Upper
84 100
49 121.1 101.2 151.8
51 37.3 29.5 44.3
86 62.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.87 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBS01

Tot Ion: 96 Resp: 68122

Ion Ratio Lower Upper

96 100

61 137.6 113.8 170.6

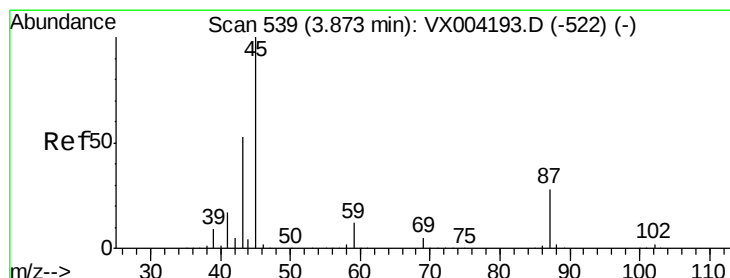
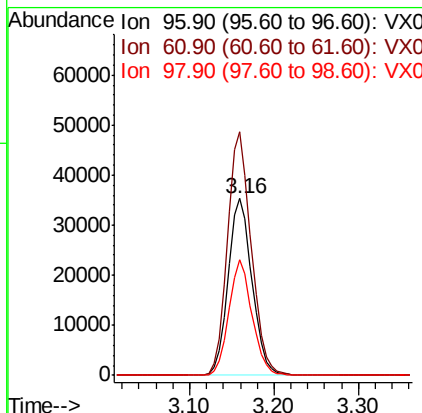
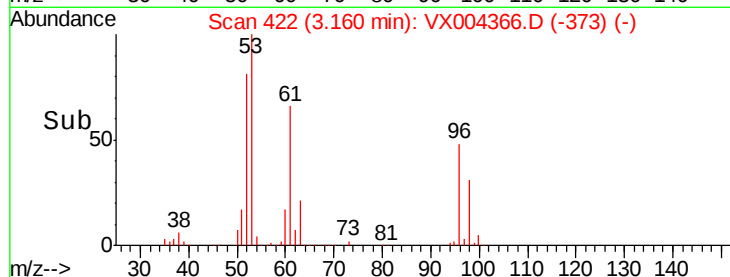
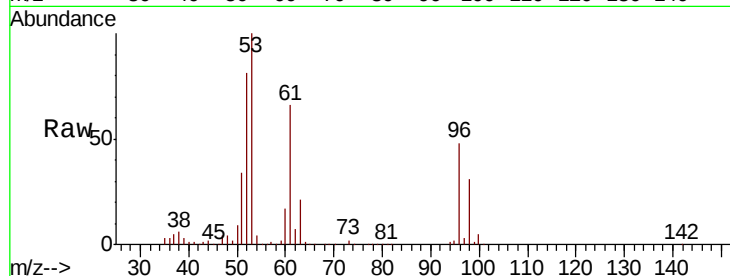
98 65.0 51.8 77.8

Manual Integrations

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MMDadoda

9/6/2018 12:48:29 PM



#22

Diisopropyl ether

Concen: 20.69 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Tgt Ion: 45 Resp: 231562

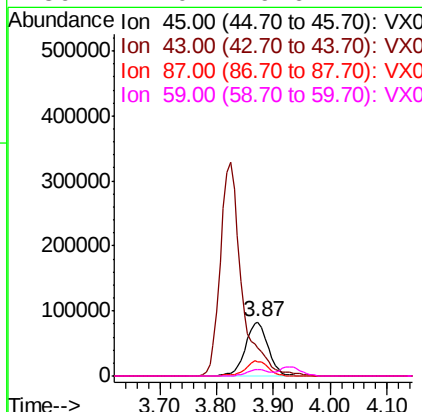
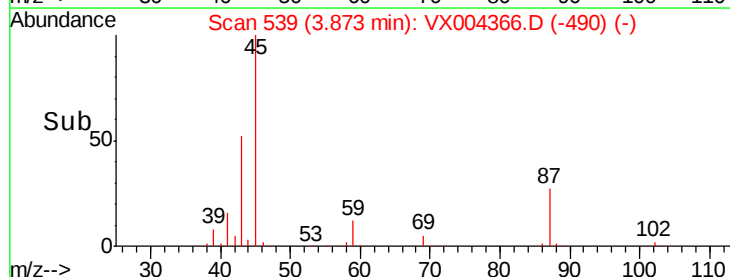
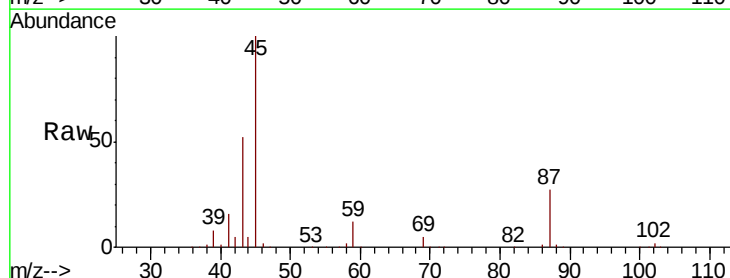
Ion Ratio Lower Upper

45 100

43 52.2 42.8 64.2

87 26.9 22.6 34.0

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 95.22 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0905WBS01

Tot Ion: 43 Resp: 863627

Ion Ratio Lower Upper

43 100

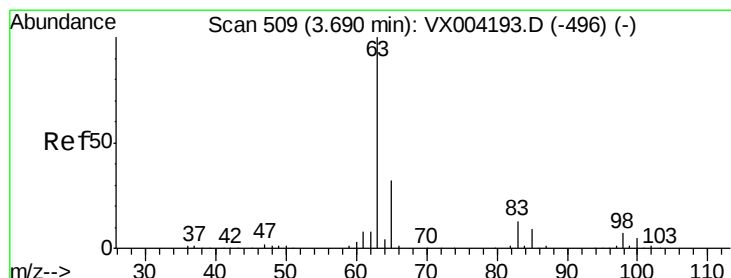
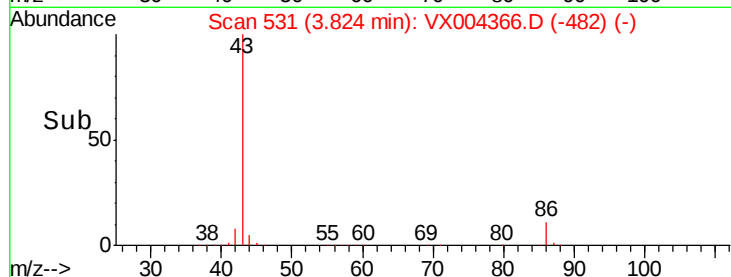
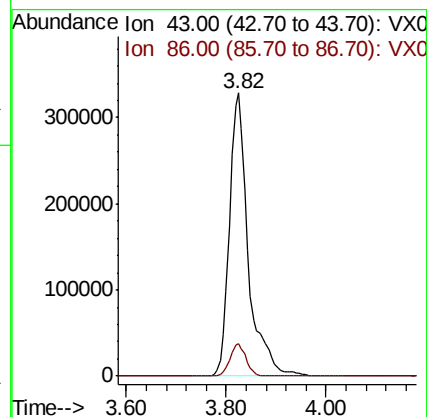
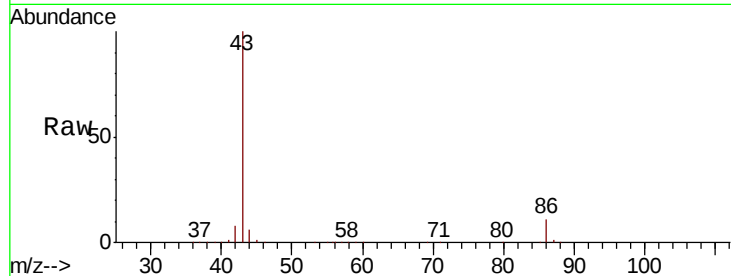
86 11.5 8.9 13.3

Manual Integrations

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MMDadoda

9/6/2018 12:48:29 PM



#24

1,1-Dichloroethane

Concen: 20.01 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

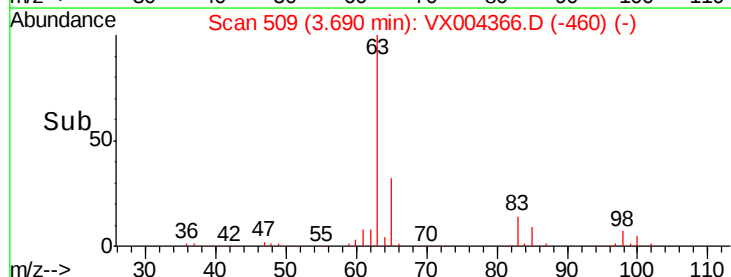
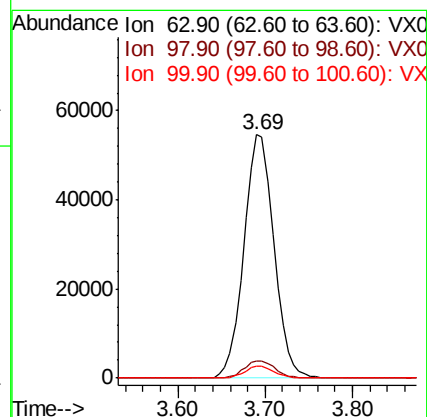
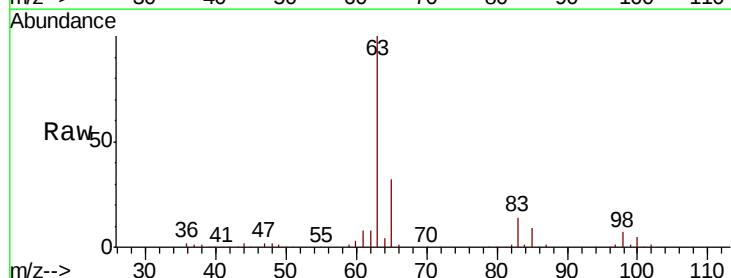
Tgt Ion: 63 Resp: 130509

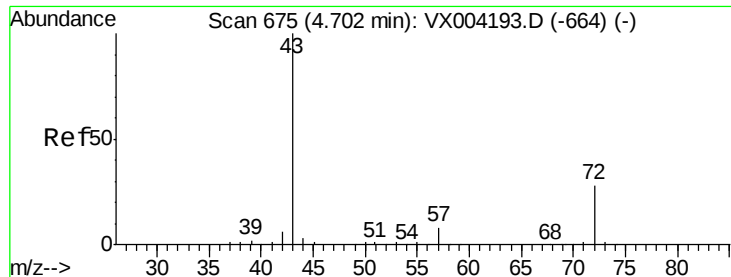
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 103.44 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0905WBS01

Tot Ion: 43 Resp: 282670

Ion Ratio Lower Upper

43 100

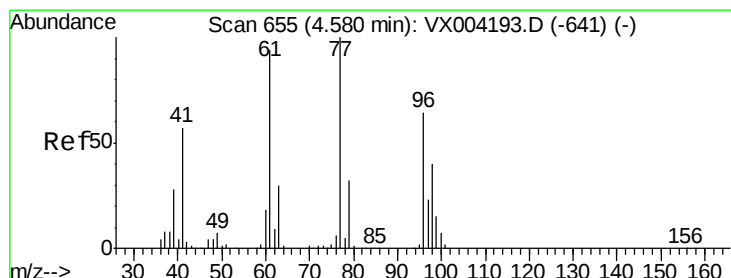
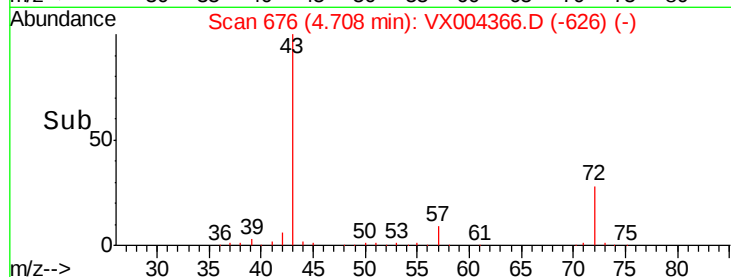
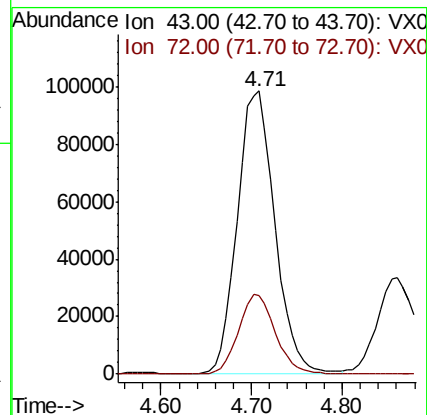
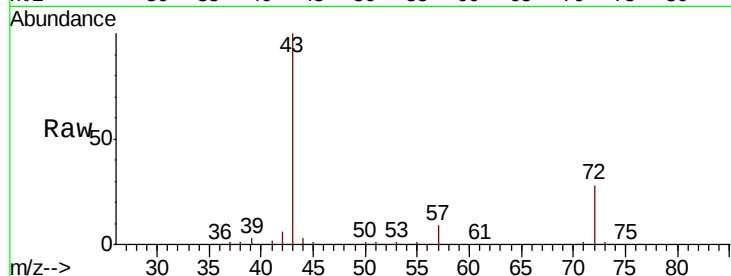
72 27.9 22.0 33.0

Manual Integrations

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MMDadoda

9/6/2018 12:48:29 PM



#26

2,2-Dichloropropane

Concen: 19.54 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004366.D

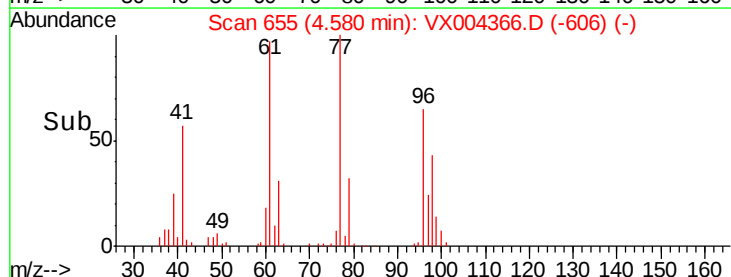
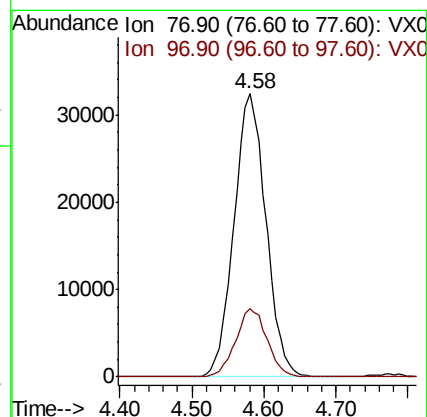
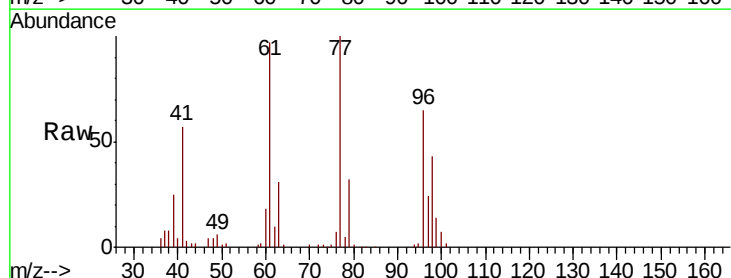
Acq: 05 Sep 2018 12:42

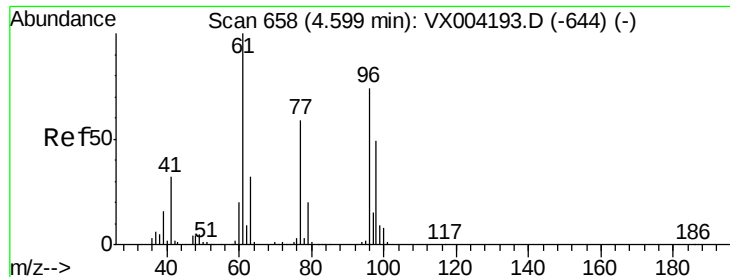
Tgt Ion: 77 Resp: 99952

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0





#27

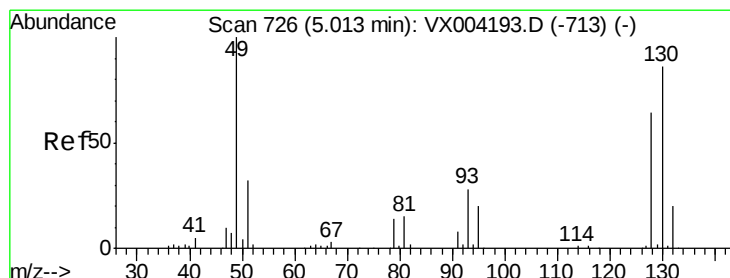
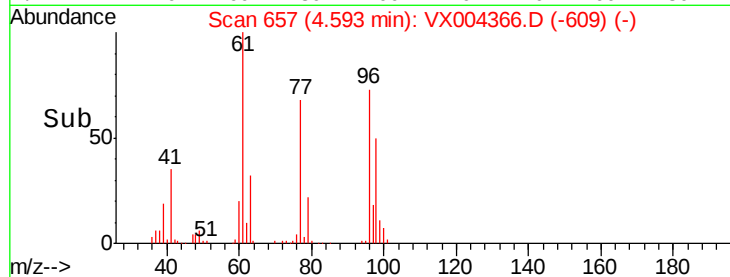
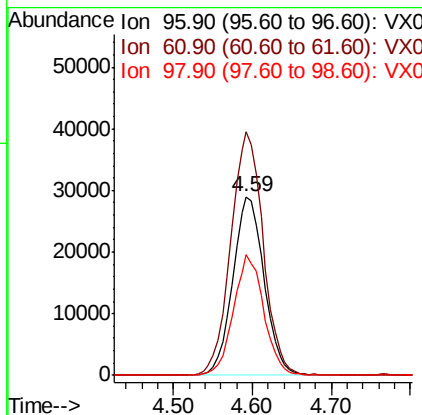
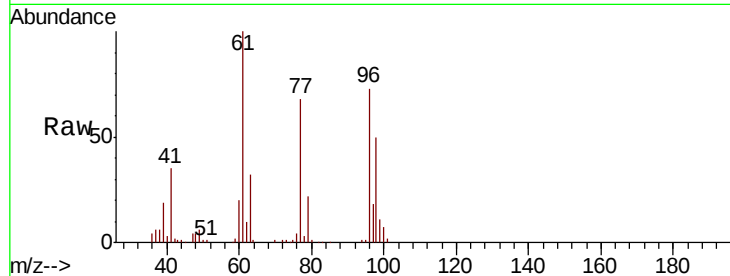
cis-1,2-Dichloroethene
Concen: 19.53 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.3	0.0	282.6	
98	65.2	0.0	130.2	

Manual Integrations
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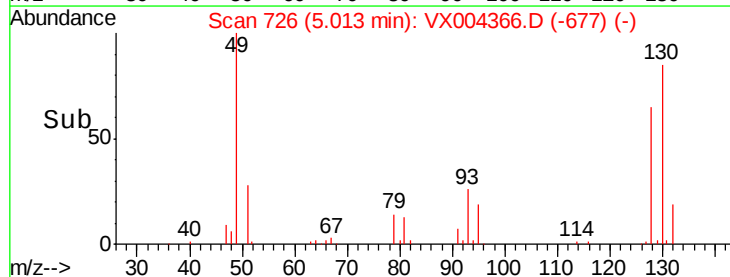
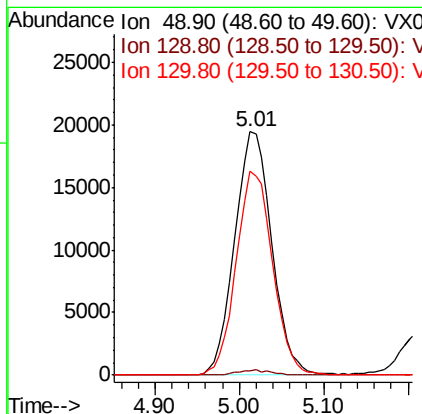
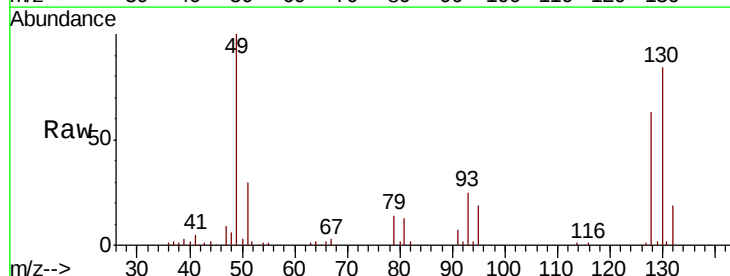
MMDadoda
9/6/2018 12:48:29 PM

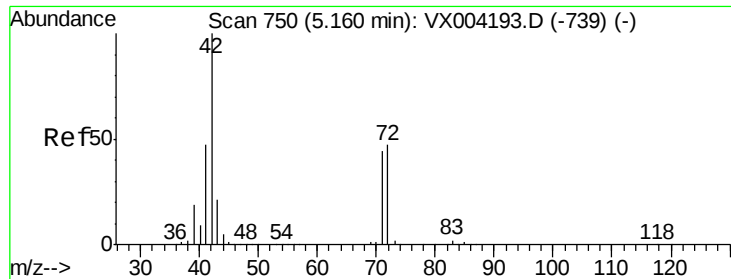


#28

Bromochloromethane
Concen: 20.14 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.2	
130	82.3	67.5	101.3	





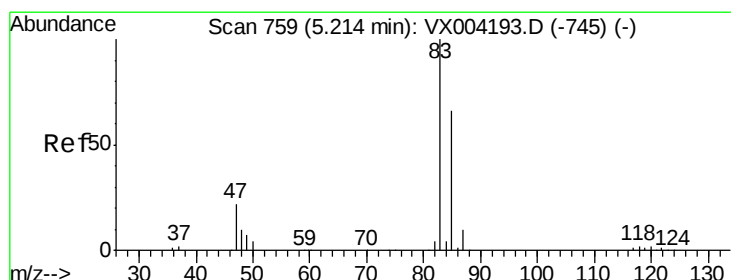
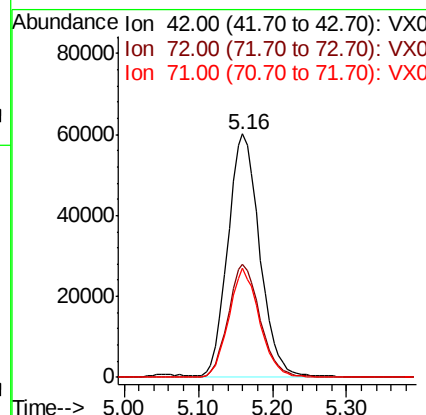
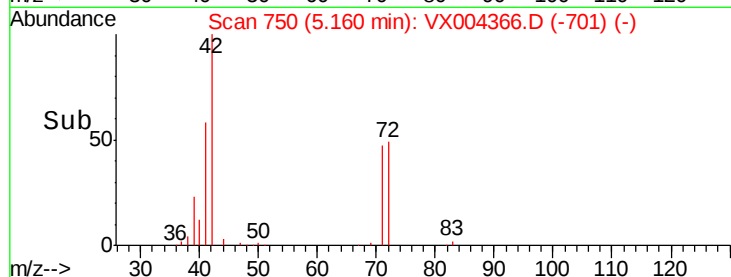
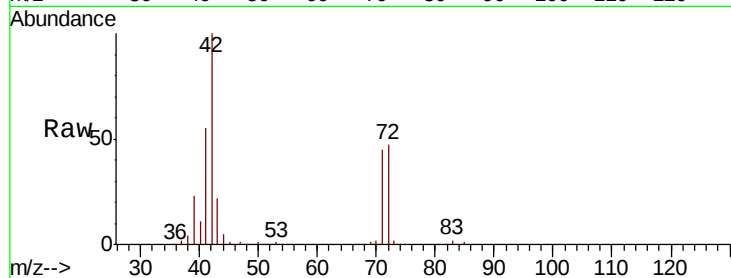
#29
Tetrahydrofuran
Concen: 103.60 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.4	56.0
71	43.4	34.5	51.7

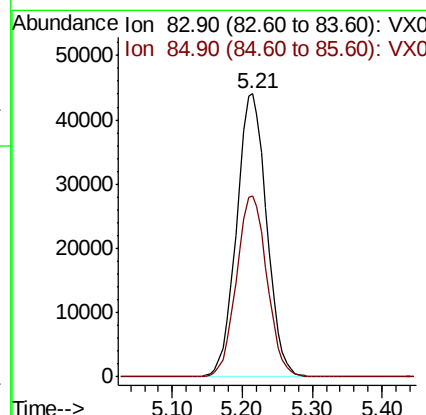
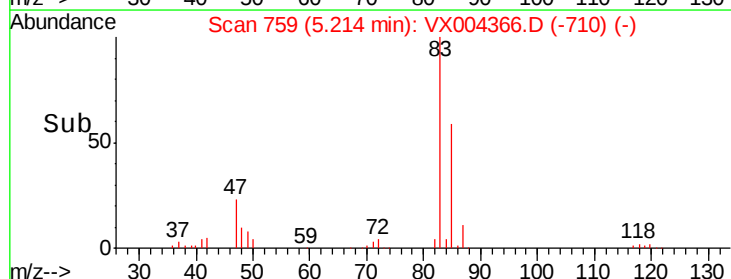
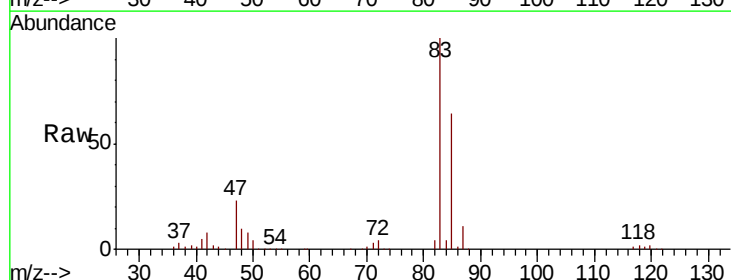
Manual Integrations
APPROVED

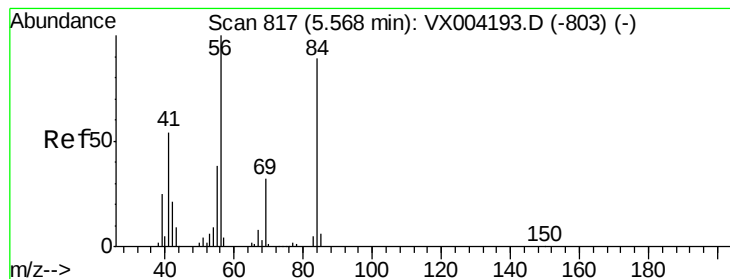
MMDadoda
9/6/2018 12:48:29 PM



#30
Chloroform
Concen: 20.12 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	79.0





#31

Cvclohexane

Concen: 18.98 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

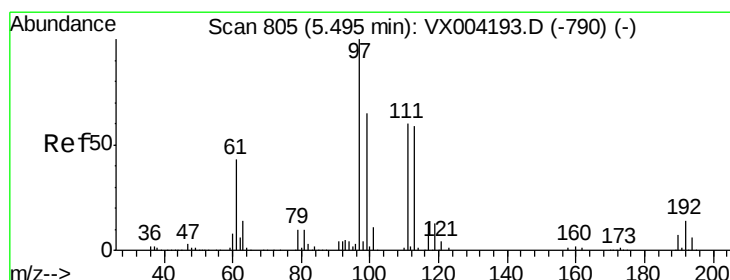
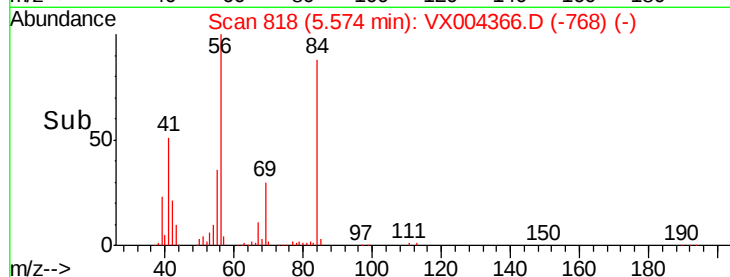
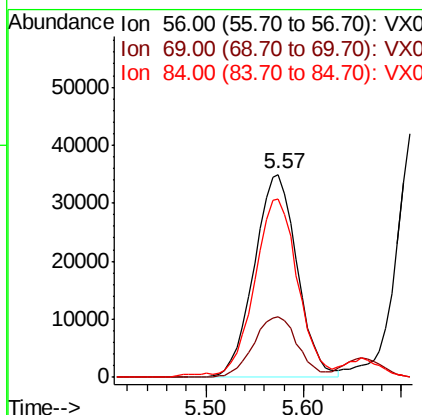
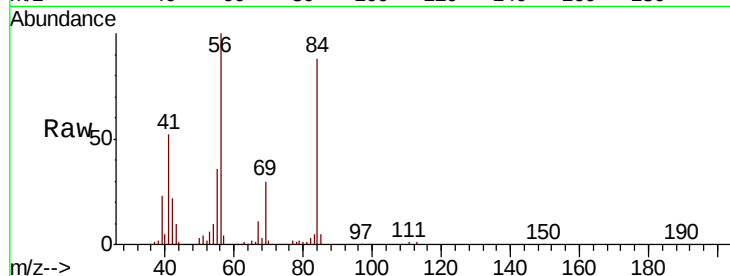
ClientSampled :

VX0905WBS01

Tot Ion:	56	Resp:	106788
Ion Ratio	Lower	Upper	
56	100		
69	29.6	25.4	38.2
84	86.6	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.87 ug/l

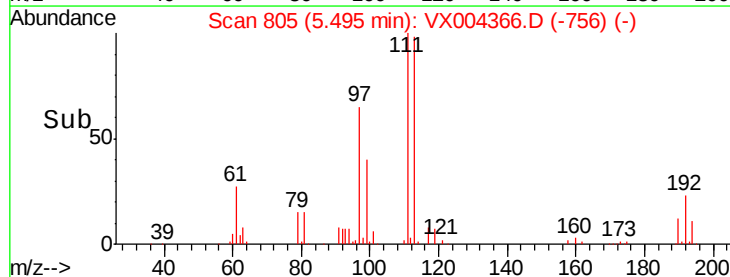
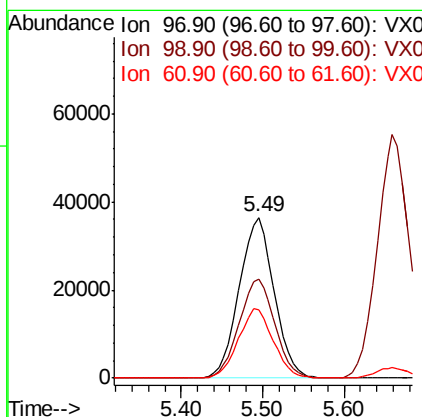
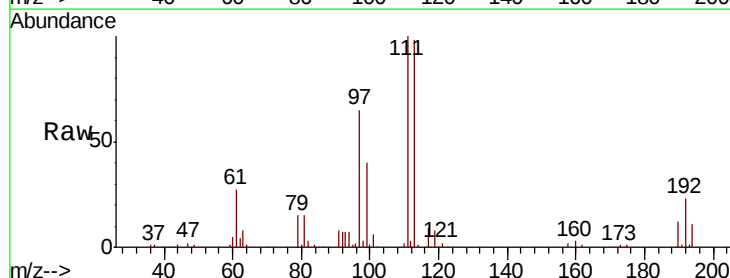
RT: 5.49 min Scan# 805

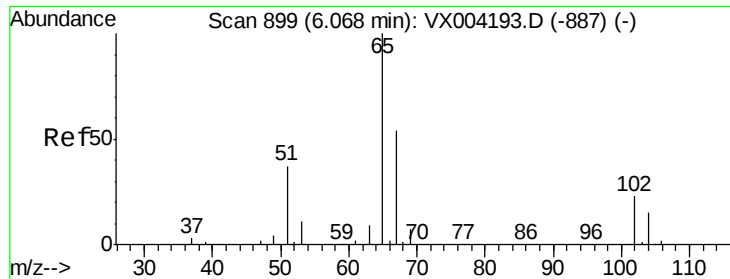
Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Tgt Ion:	97	Resp:	108314
Ion Ratio	Lower	Upper	
97	100		
99	63.1	52.0	78.0
61	43.4	34.9	52.3





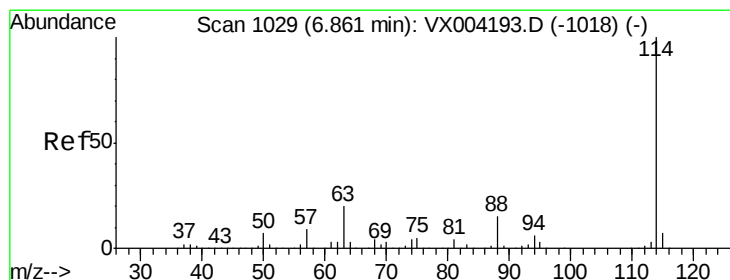
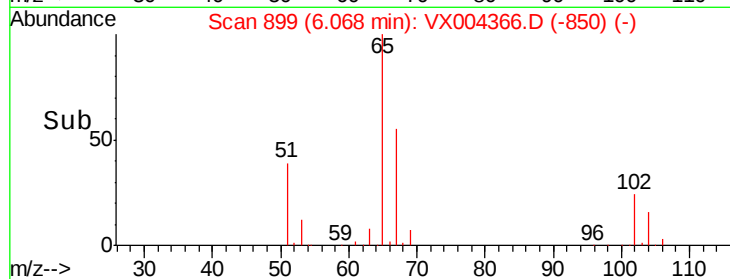
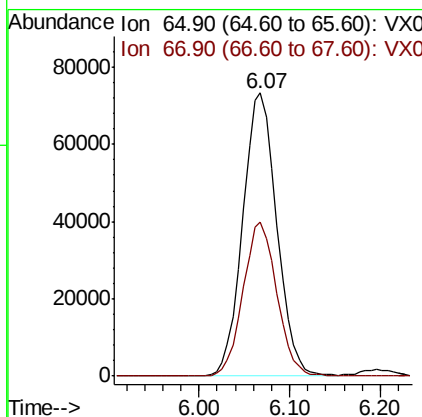
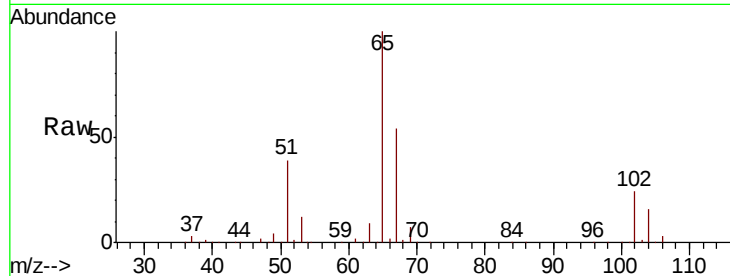
#33
 1,2-Dichloroethane-d4
 Concen: 47.42 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190326		
67	54.0	0.0	106.8	

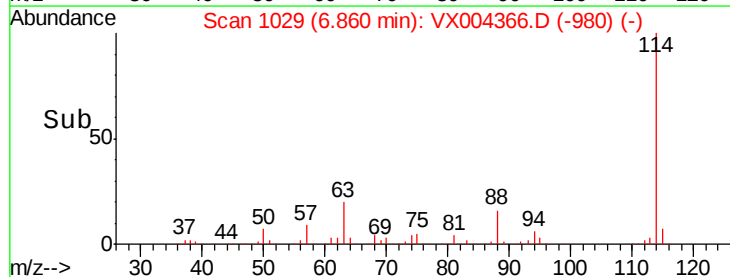
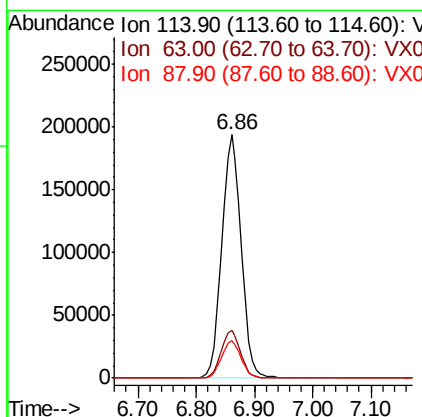
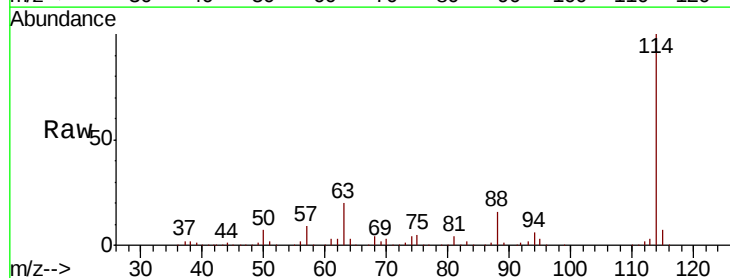
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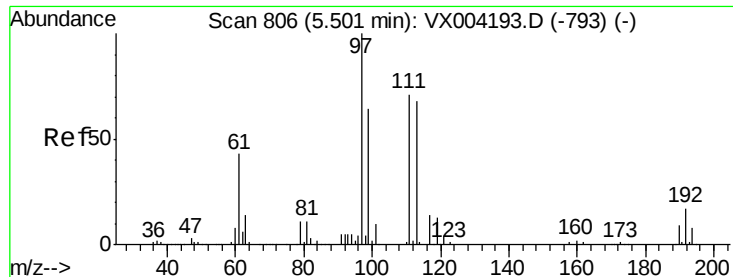
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	447139		
63	19.8	0.0	39.0	
88	15.6	0.0	30.4	





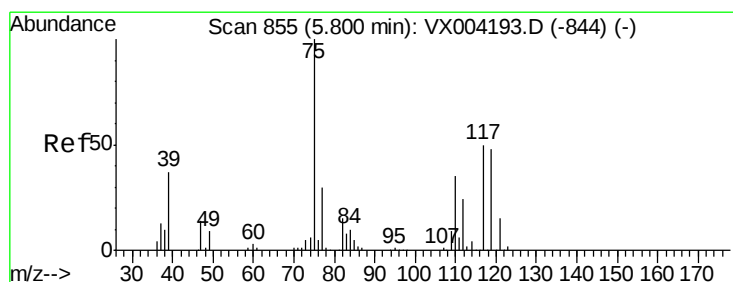
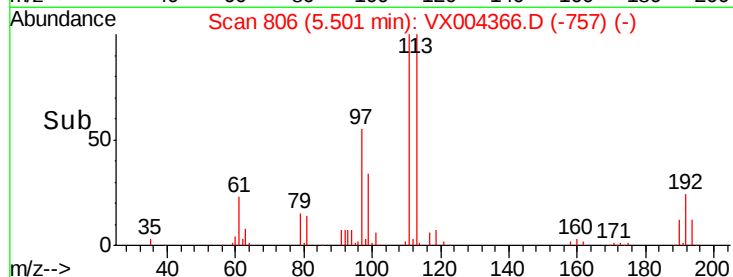
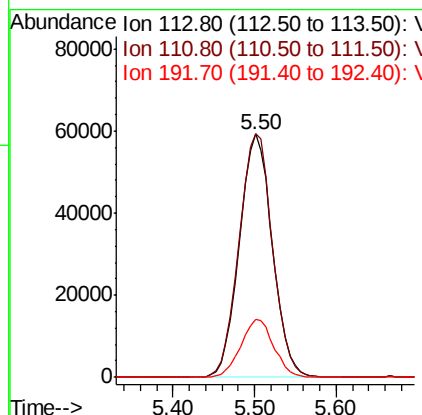
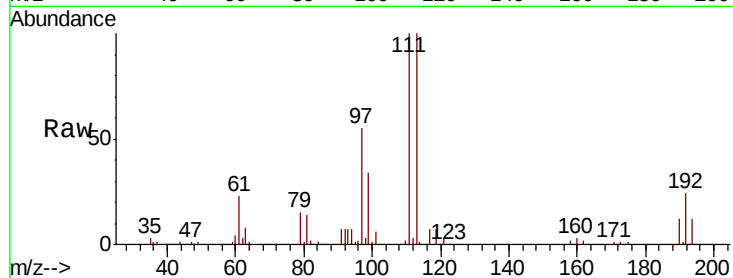
#35
Dibromofluoromethane
Concen: 49.92 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166042		
111	101.7	82.4	123.6	
192	23.8	19.4	29.2	

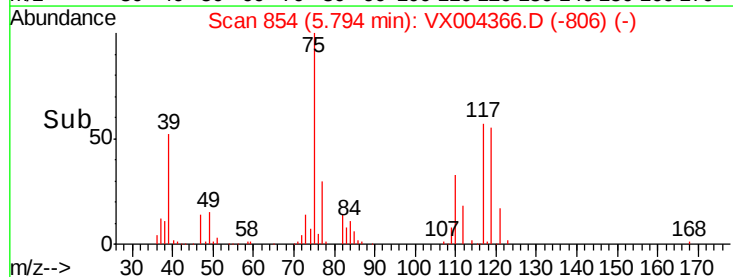
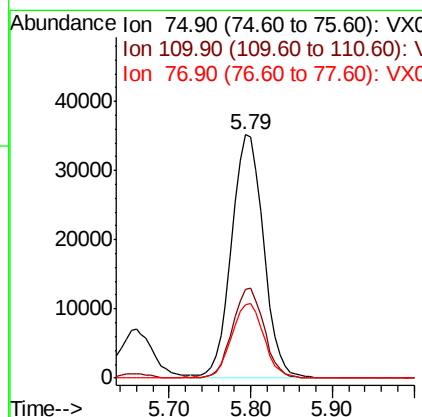
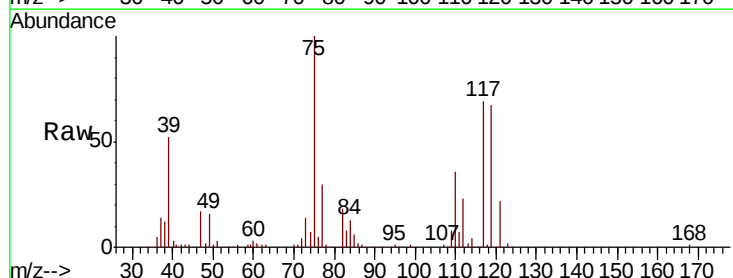
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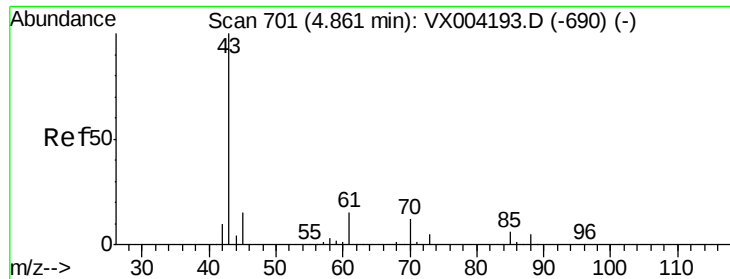
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#36
1,1-Dichloropropene
Concen: 19.08 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95904		
110	36.2	18.0	54.0	
77	30.2	24.6	36.8	





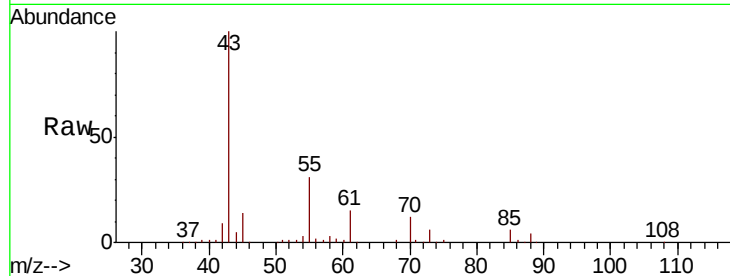
#37
Ethyl Acetate
Concen: 20.03 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

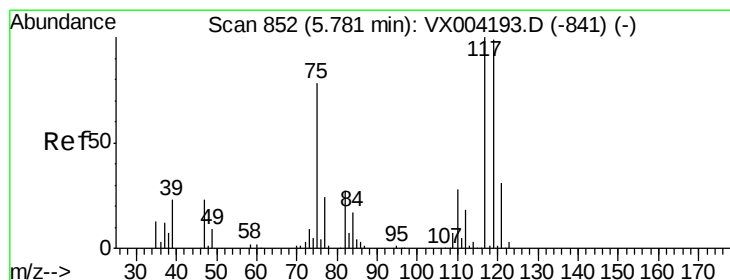
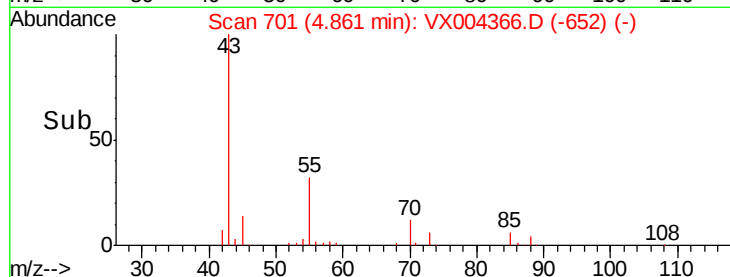
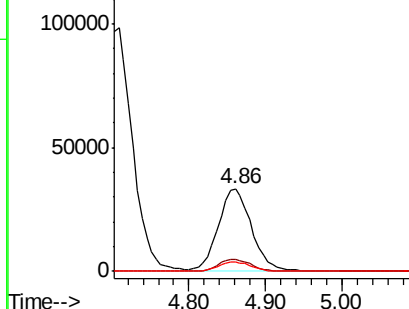
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.7	9.0	13.6

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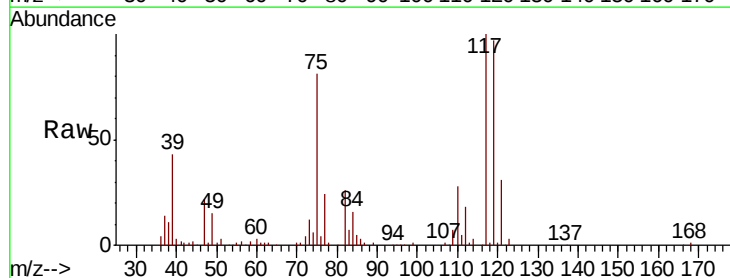


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

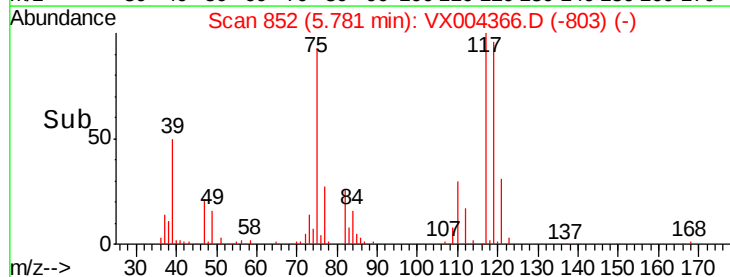
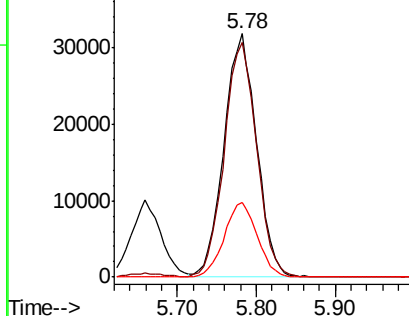


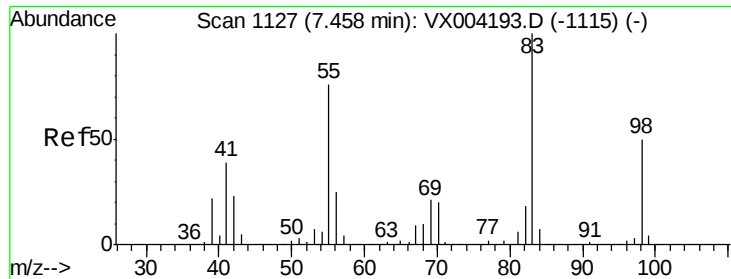
#38
Carbon Tetrachloride
Concen: 19.38 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.8	118.2
121	30.5	24.9	37.3



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





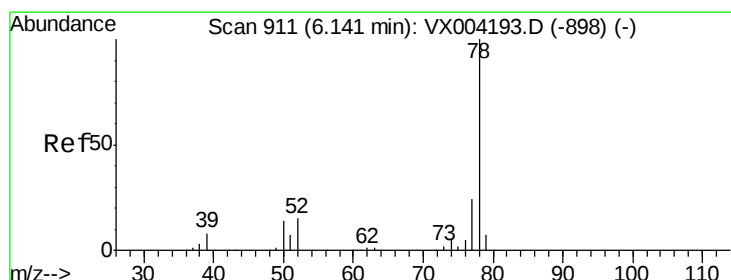
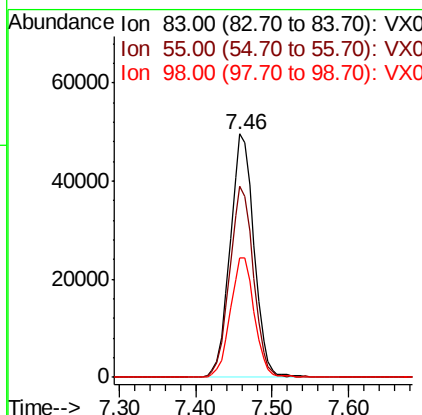
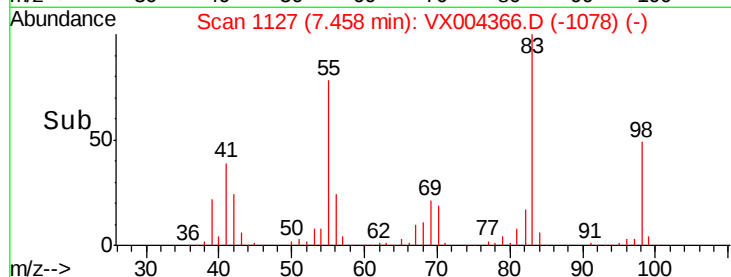
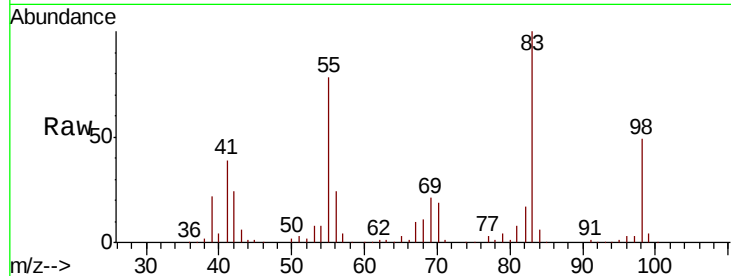
#39
Methvlcvclohexane
Concen: 18.77 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.4	61.0	91.4	
98	49.0	39.6	59.4	

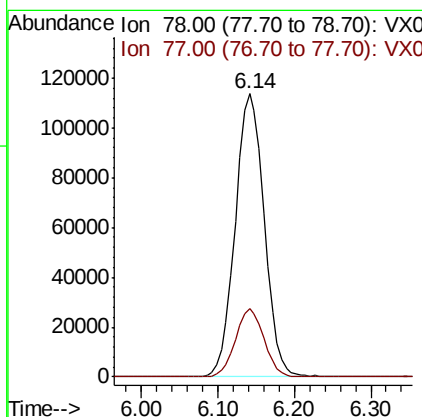
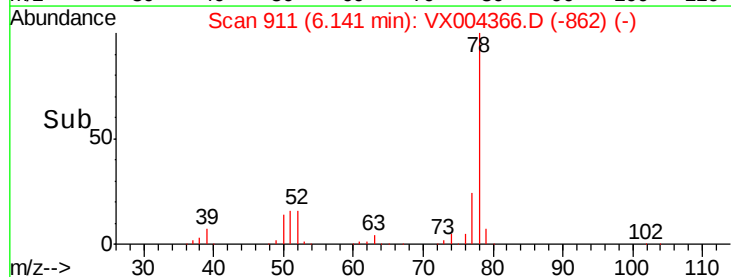
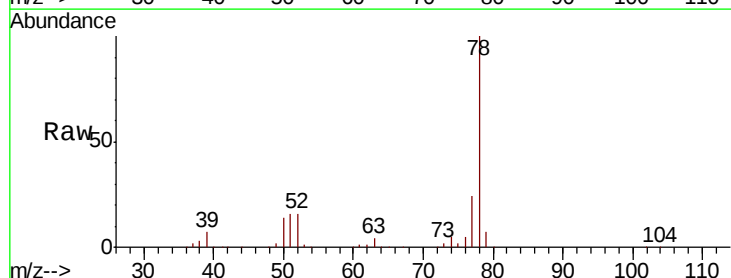
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#40
Benzene
Concen: 19.90 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.0	28.4	





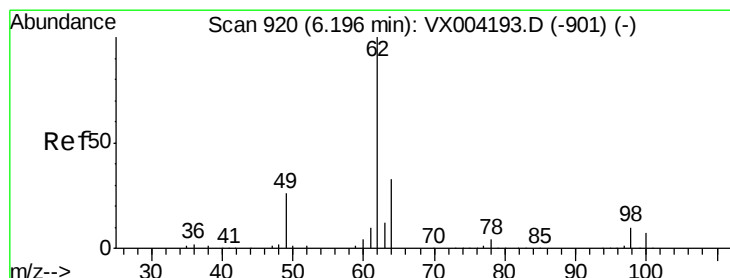
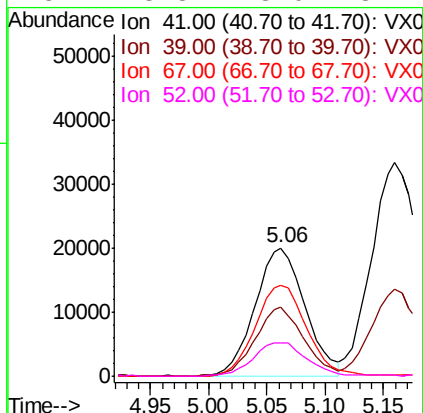
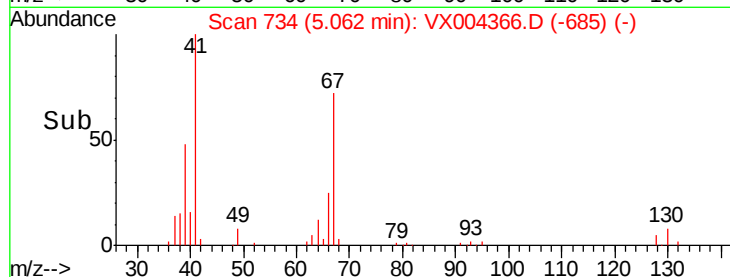
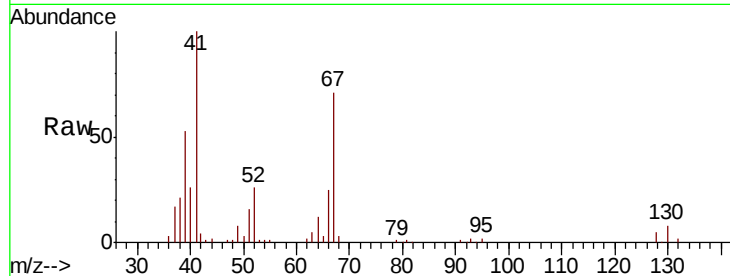
#41
Methacrylonitrile
Concen: 20.84 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.4	63.6	
67	73.4	59.2	88.8	
52	28.8	23.0	34.4	

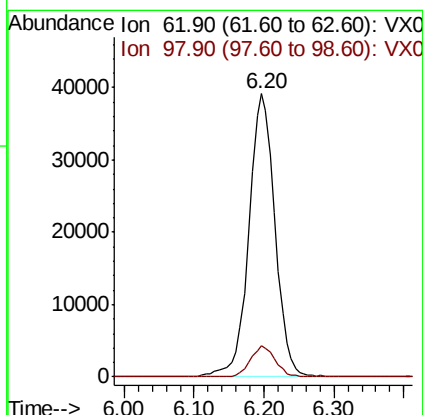
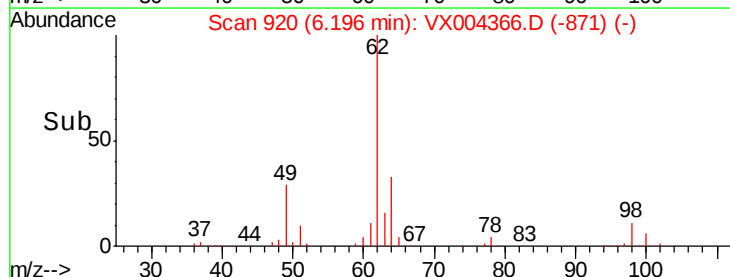
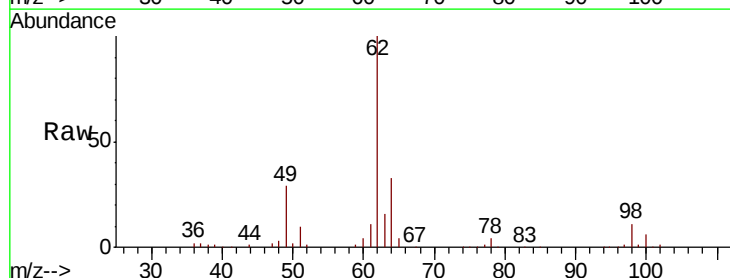
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 19.79 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.6	





#43

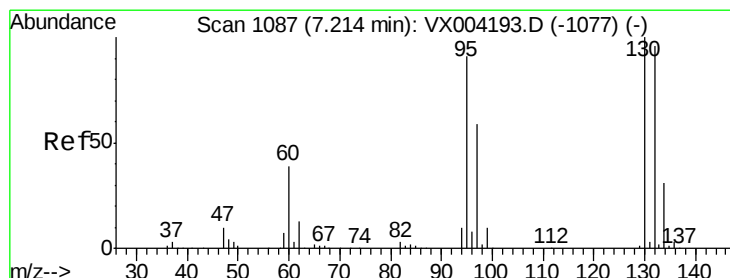
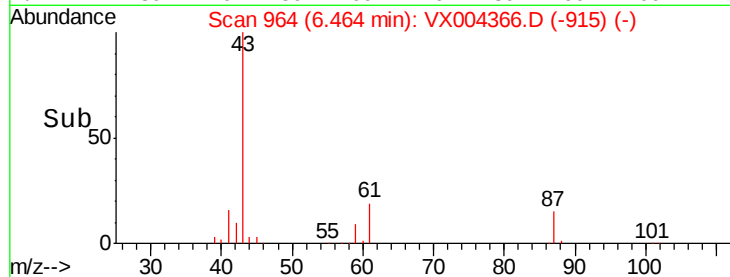
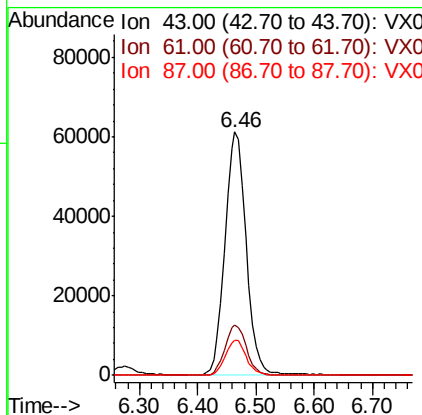
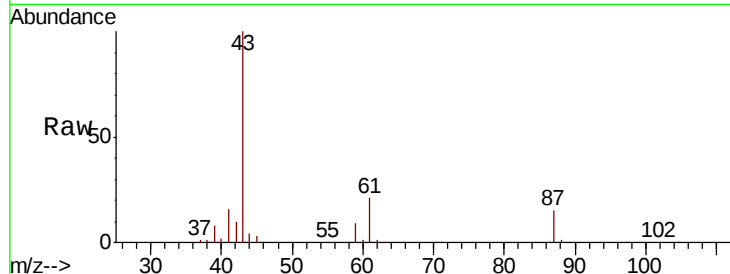
Isopropyl Acetate
 Concen: 20.47 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.0	25.4
87	14.2	11.4	17.2

Manual Integrations
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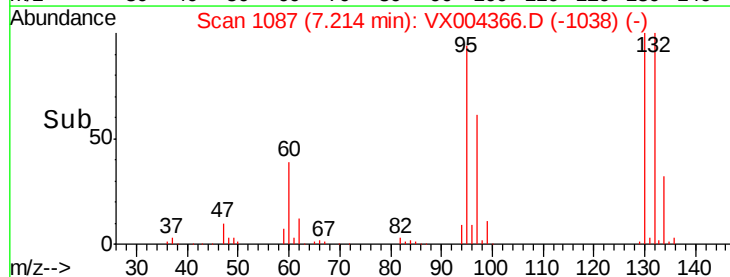
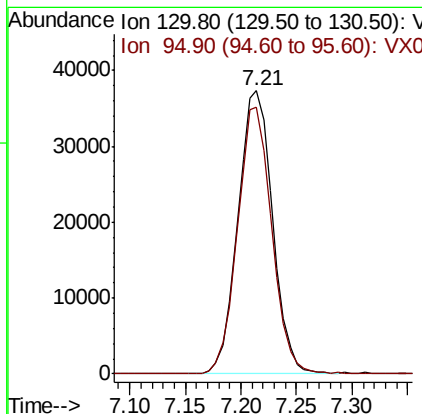
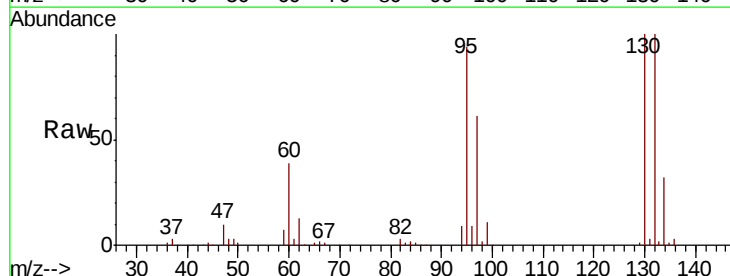
MMDadoda
 9/6/2018 12:48:29 PM

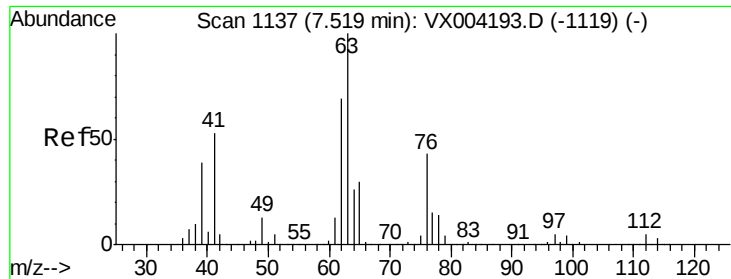


#44

Trichloroethene
 Concen: 19.39 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.48 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0905WBS01

Tot Ion: 63 Resp: 76999

Ion Ratio Lower Upper

63 100

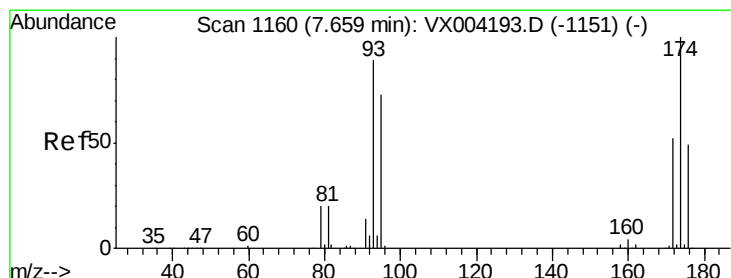
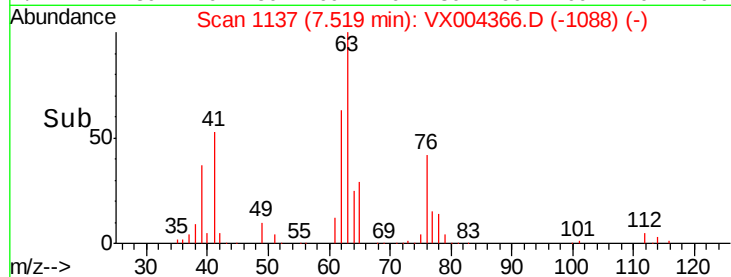
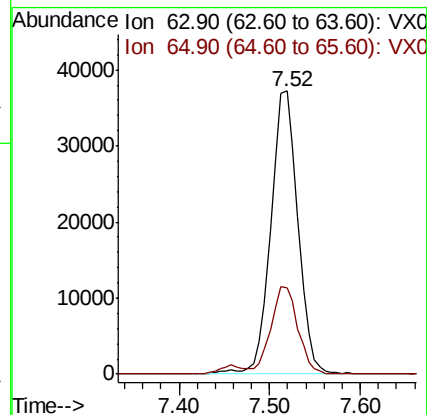
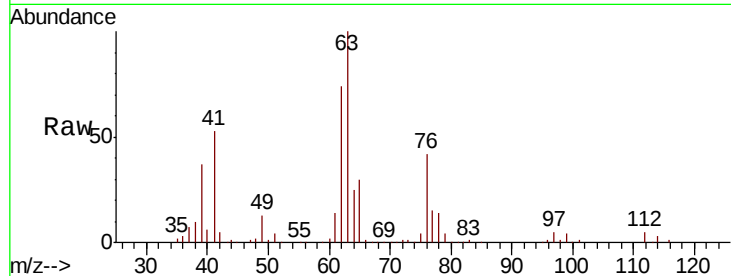
65 30.4 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 19.53 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

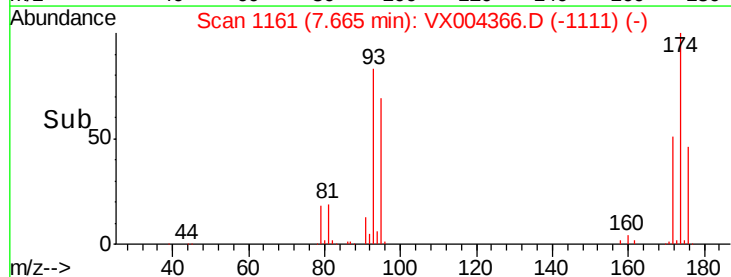
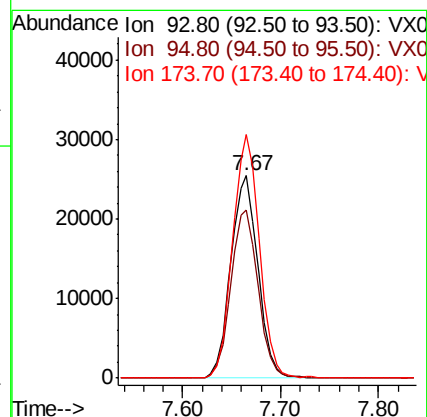
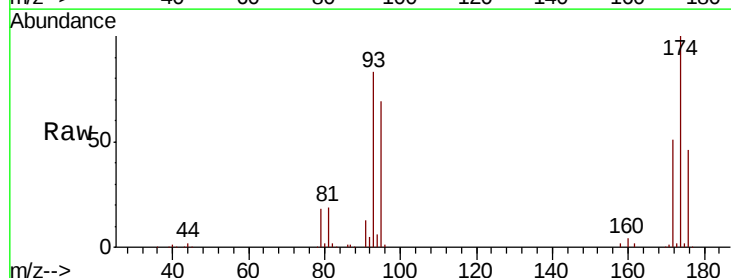
Tgt Ion: 93 Resp: 48883

Ion Ratio Lower Upper

93 100

95 83.6 65.5 98.3

174 118.9 94.2 141.4





#47

Bromodichloromethane

Concen: 19.85 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

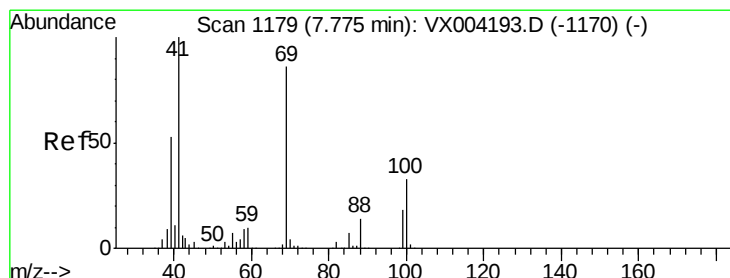
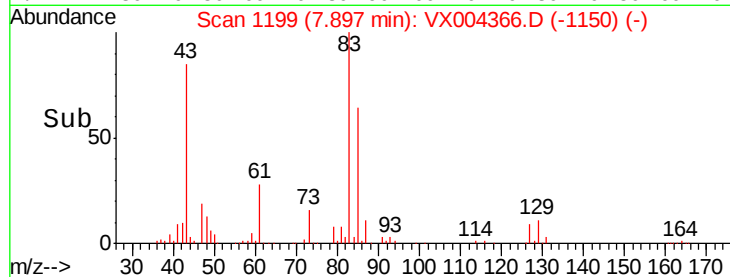
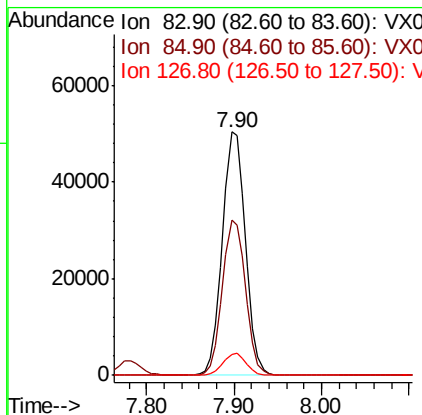
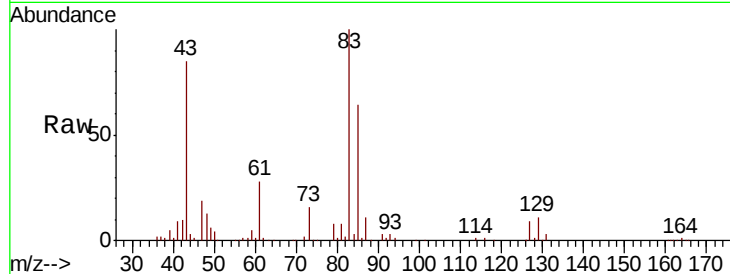
ClientSampleId :

VX0905WBS01

Tot Ion:	83	Resp:	92444
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.45 ug/l

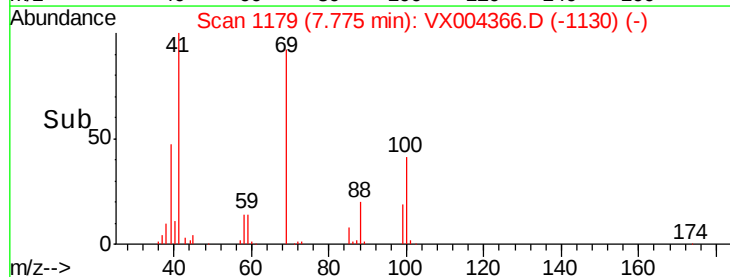
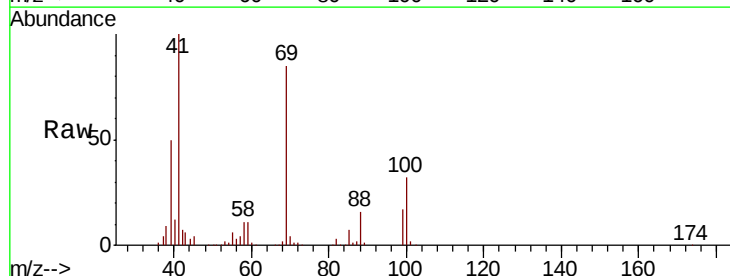
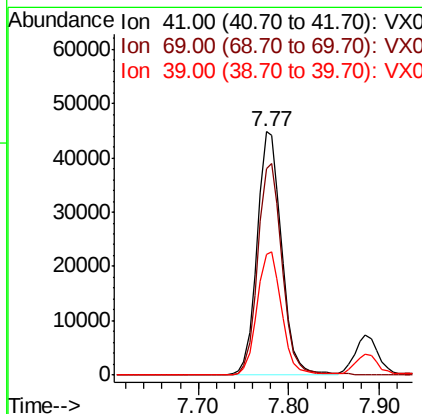
RT: 7.77 min Scan# 1179

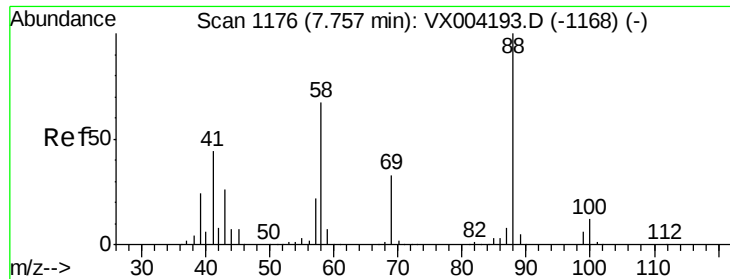
Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Tgt Ion:	41	Resp:	83131
Ion	Ratio	Lower	Upper
41	100		
69	87.4	70.2	105.4
39	51.6	42.7	64.1





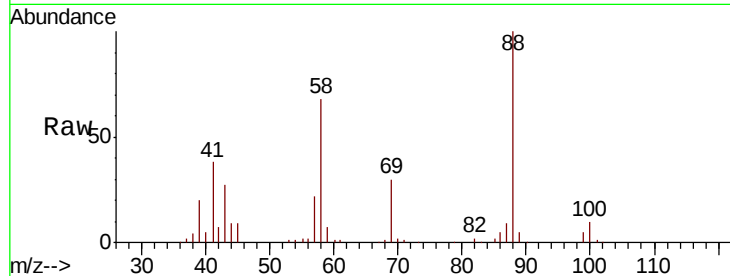
#49
1,4-Dioxane
Concen: 419.37 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.7	37.1
58	72.3	55.3	82.9

Manual Integrations
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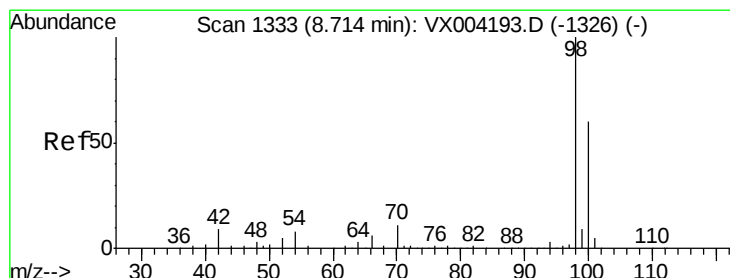
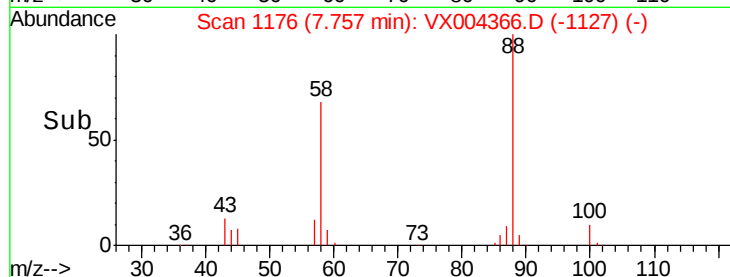
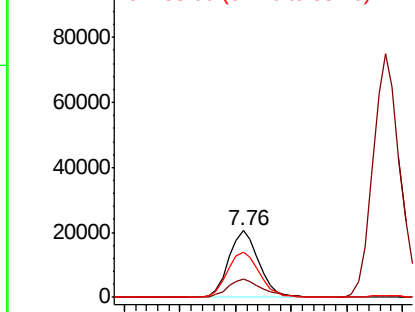


Abundance

Ion 88.00 (87.70 to 88.70): VX0

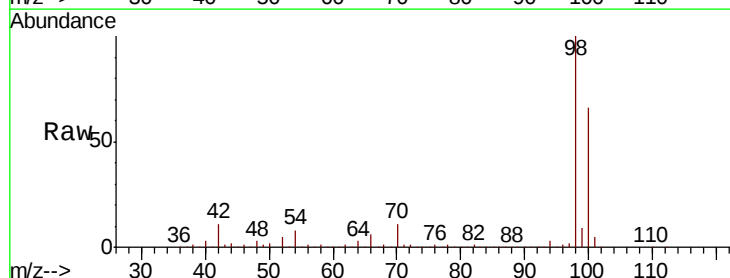
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.48 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

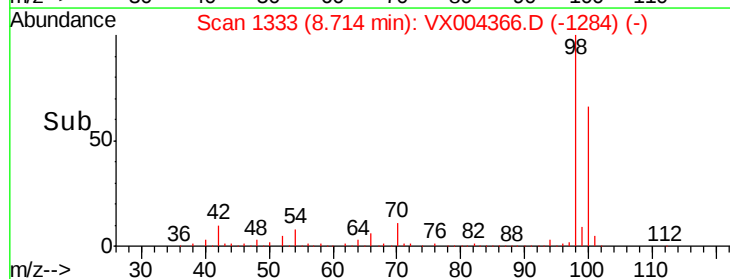
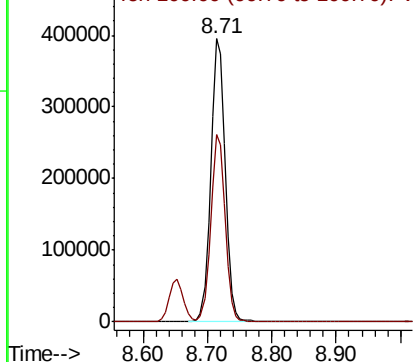
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3

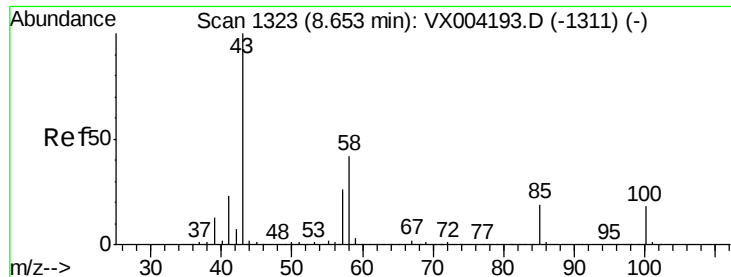


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 99.53 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBS01

Tot Ion: 43 Resp: 549364

Ion Ratio Lower Upper

43 100

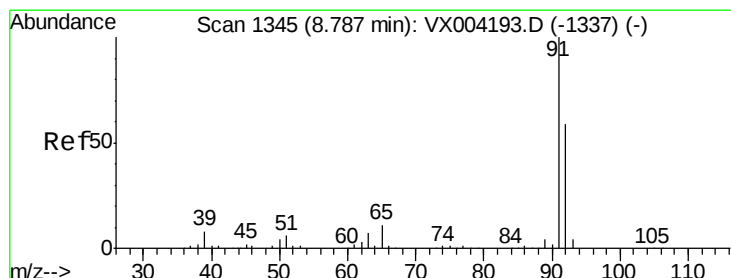
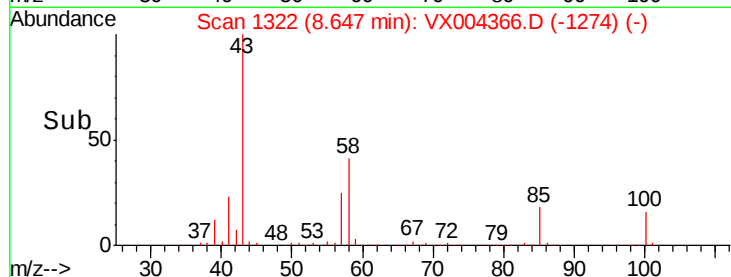
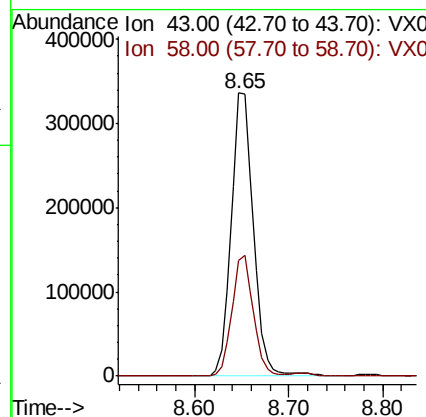
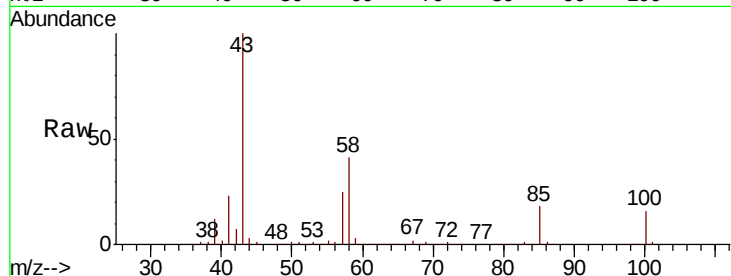
58 41.1 33.1 49.7

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#52

Toluene

Concen: 20.21 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004366.D

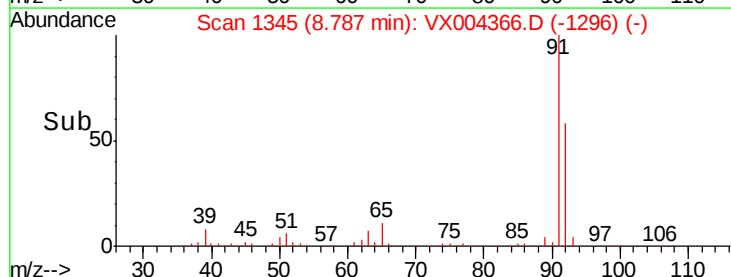
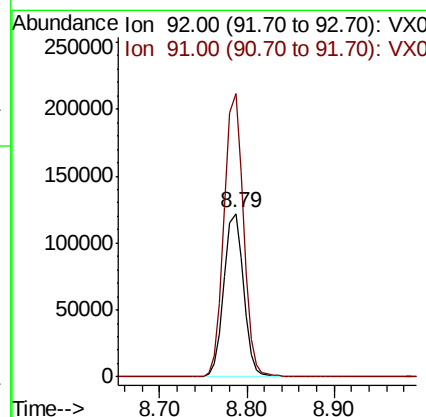
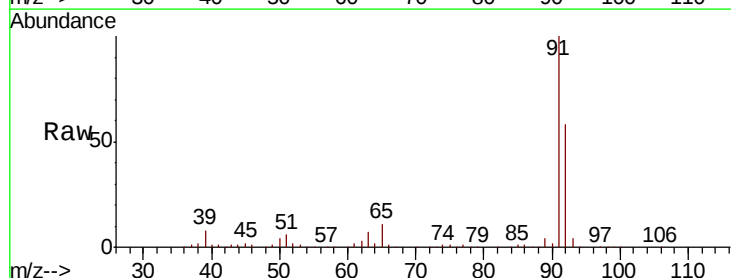
Acq: 05 Sep 2018 12:42

Tgt Ion: 92 Resp: 189984

Ion Ratio Lower Upper

92 100

91 171.3 136.4 204.6





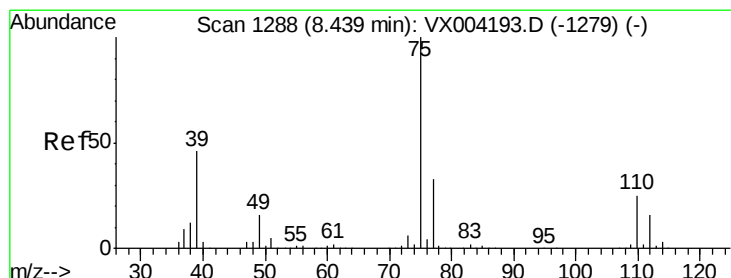
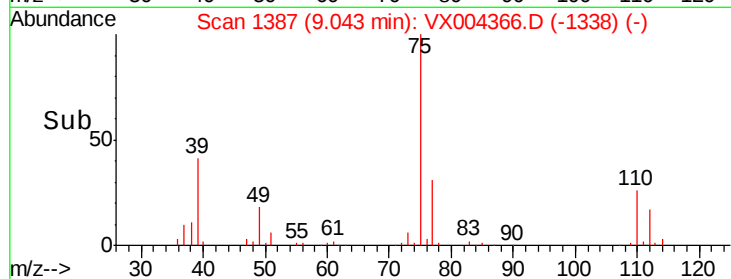
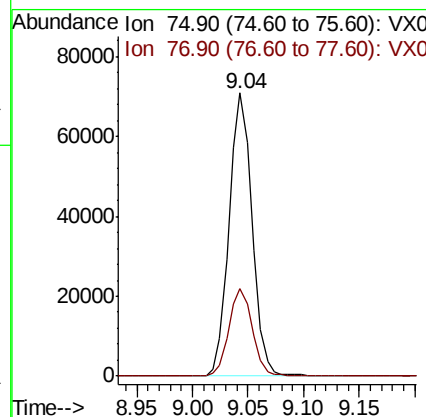
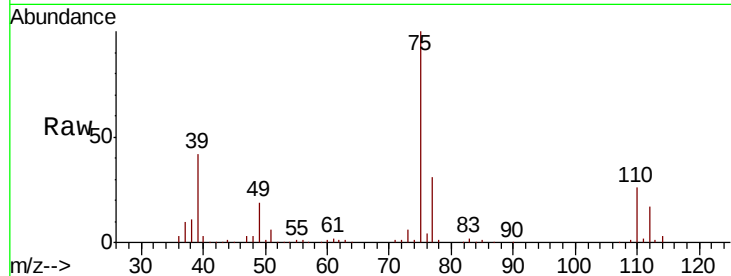
#53
t-1,3-Dichloropropene
Concen: 19.72 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion: 75 Resp: 101427
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0

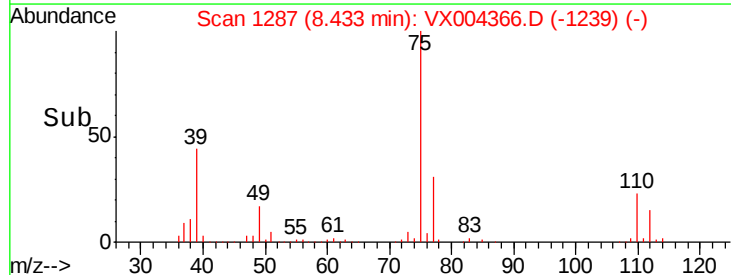
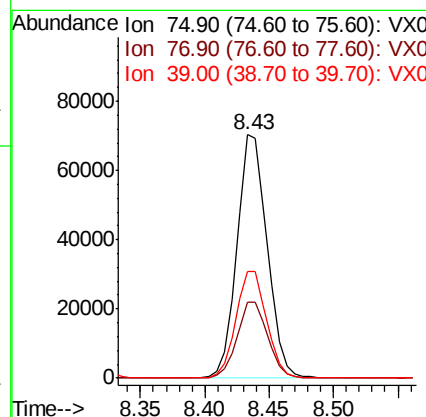
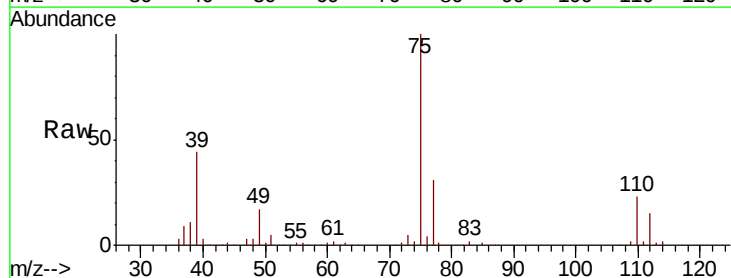
Manual Integrations
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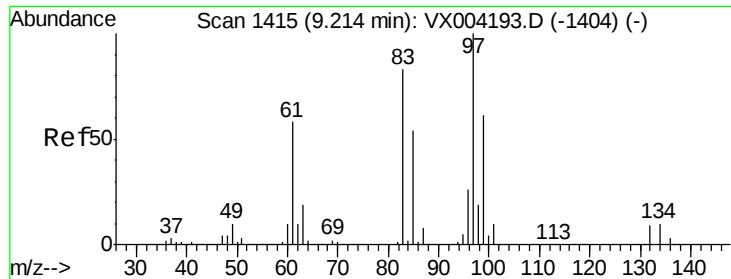
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.52 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion: 75 Resp: 114975
Ion Ratio Lower Upper
75 100
77 30.9 26.2 39.2
39 43.9 36.4 54.6





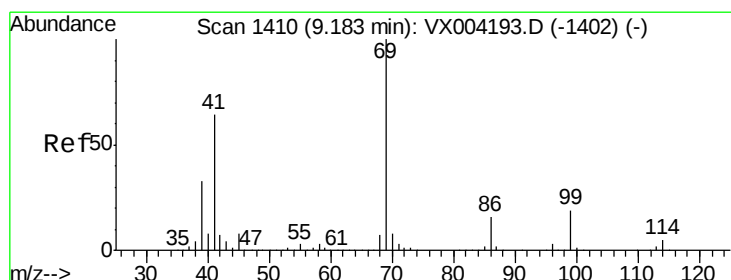
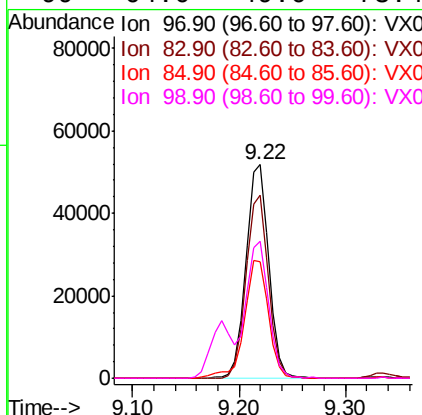
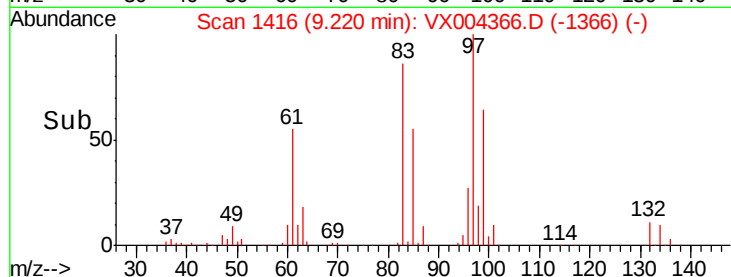
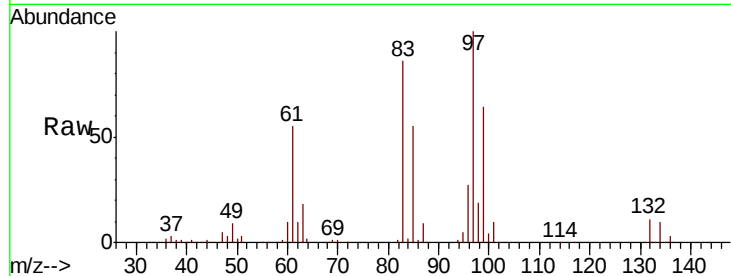
#55
 1,1,2-Trichloroethane
 Concen: 20.49 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		77771		
83	85.7	66.4	99.6		
85	54.8	43.3	64.9		
99	64.0	49.0	73.4		

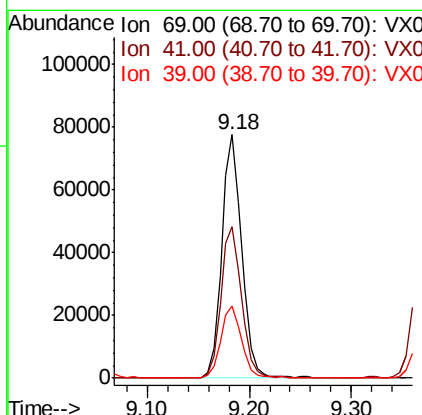
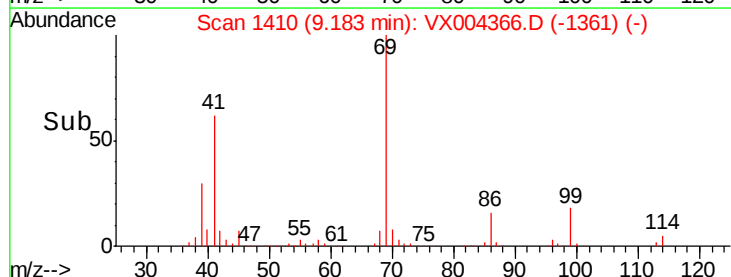
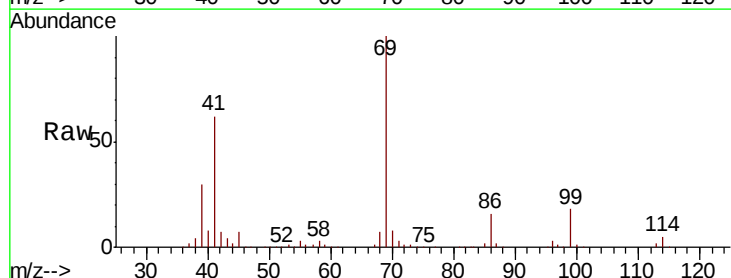
Manual Integrations
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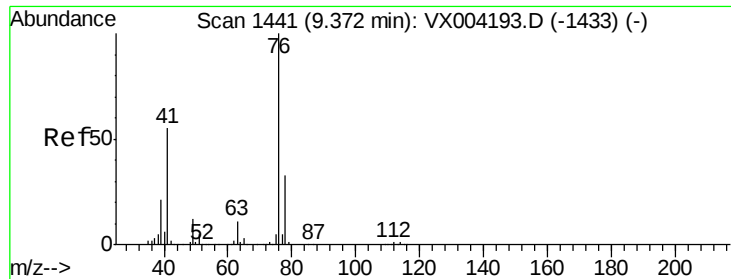
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#56
 Ethyl methacrylate
 Concen: 20.51 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		105997		
41	64.4	51.0	76.4		
39	30.7	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 20.57 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0905WBS01

Tot Ion: 76 Resp: 131631

Ion Ratio Lower Upper

76 100

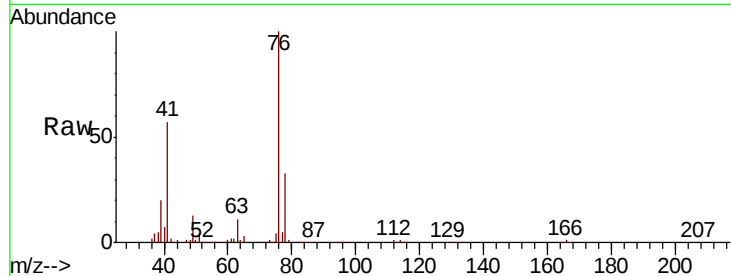
78 32.1 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

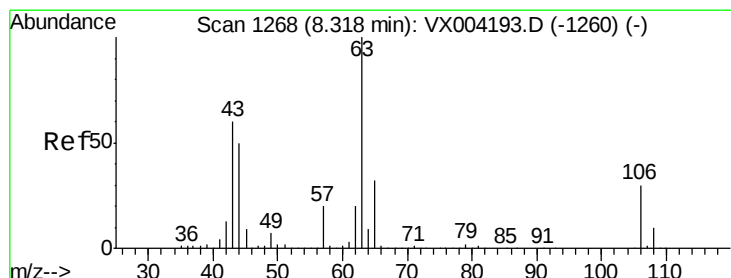
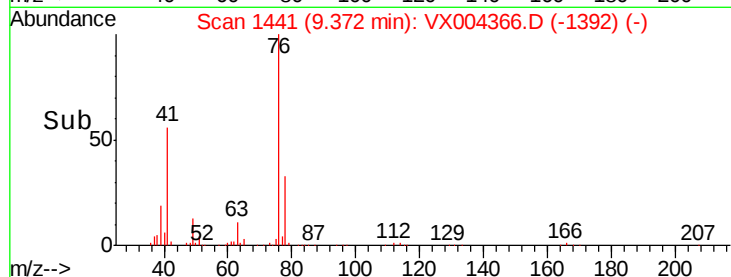
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.13 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004366.D

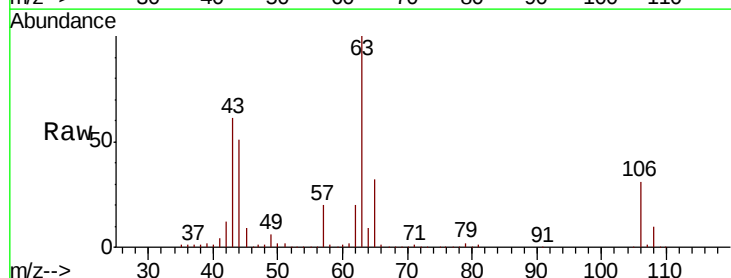
Acq: 05 Sep 2018 12:42

Tgt Ion: 63 Resp: 265090

Ion Ratio Lower Upper

63 100

106 29.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

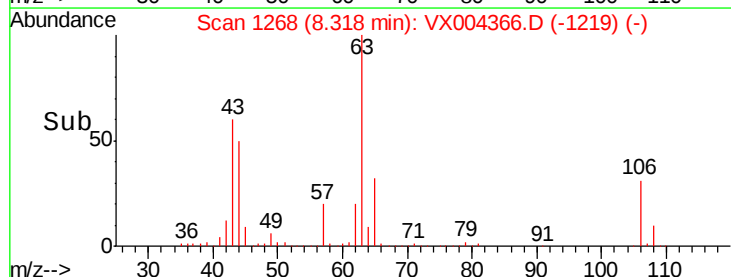
150000

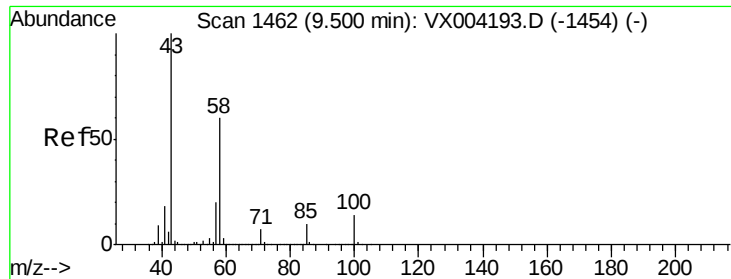
100000

50000

0

Time-->





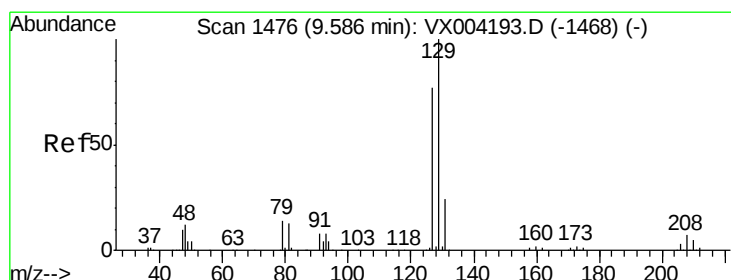
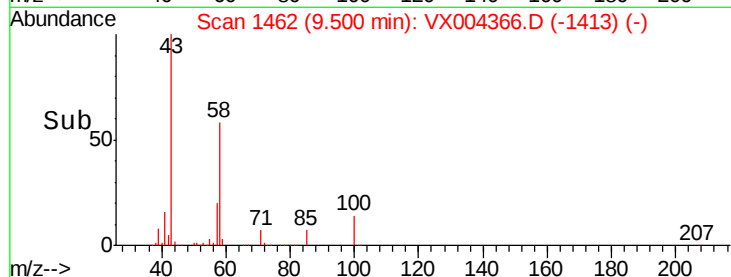
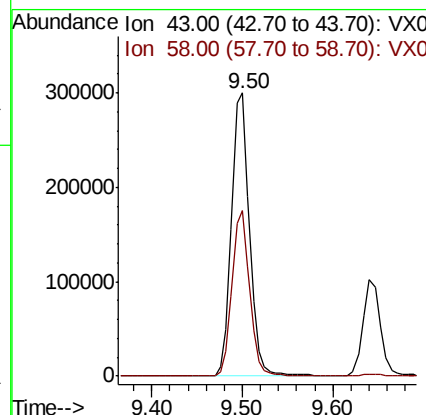
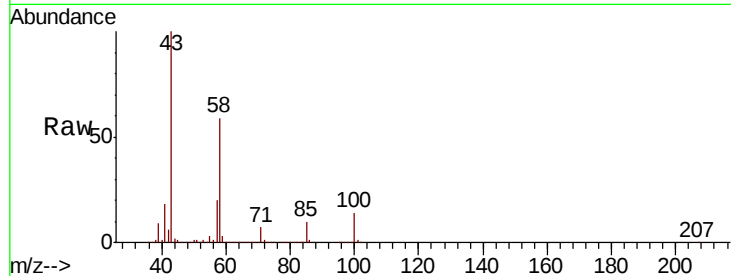
#59
2-Hexanone
Concen: 98.35 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	29.0	87.0

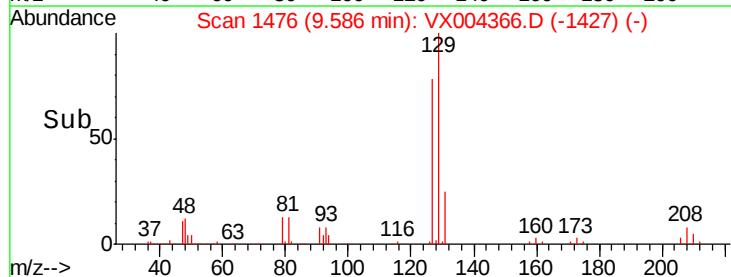
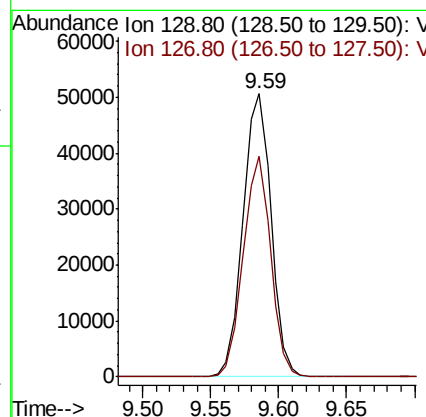
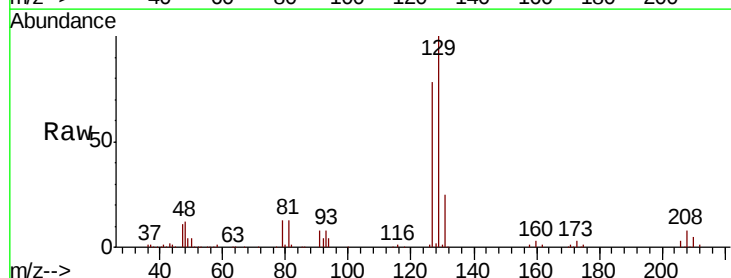
Manual Integrations
APPROVED

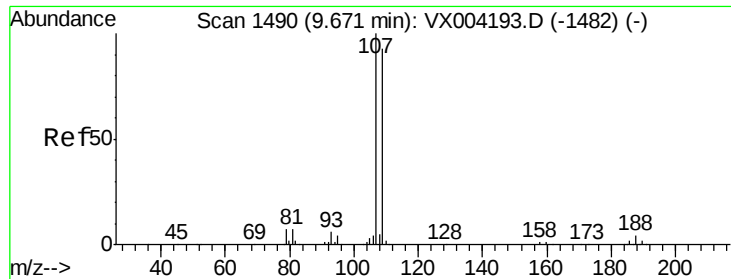
MMDadoda
9/6/2018 12:48:29 PM



#60
Dibromochloromethane
Concen: 19.77 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.5	115.5





#61

1,2-Dibromoethane

Concen: 20.12 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBS01

Tot Ion:107 Resp: 79040

Ion Ratio Lower Upper

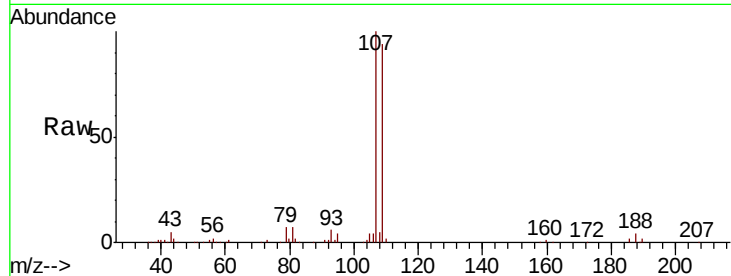
107 100

109 93.5 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

60000

50000

40000

30000

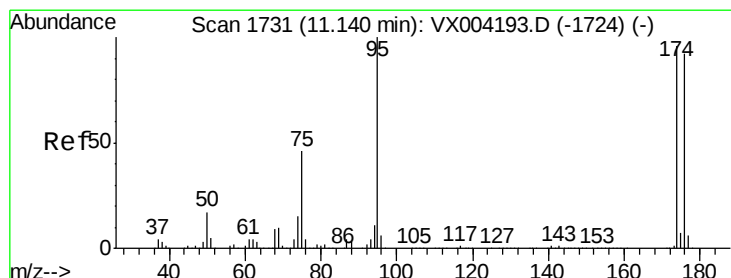
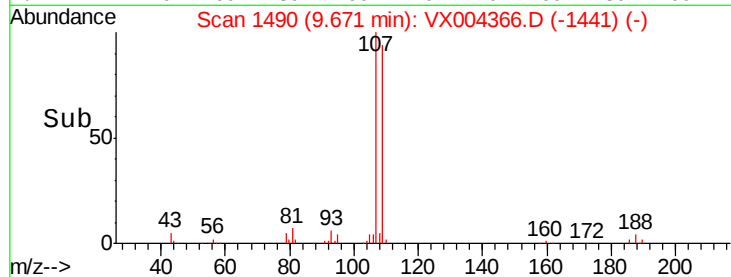
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 49.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

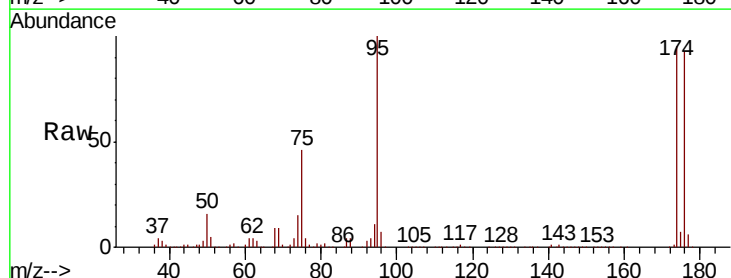
Tgt Ion: 95 Resp: 232193

Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.2

176 88.5 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

250000

200000

150000

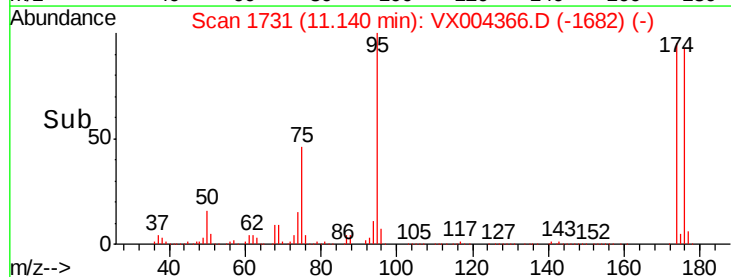
100000

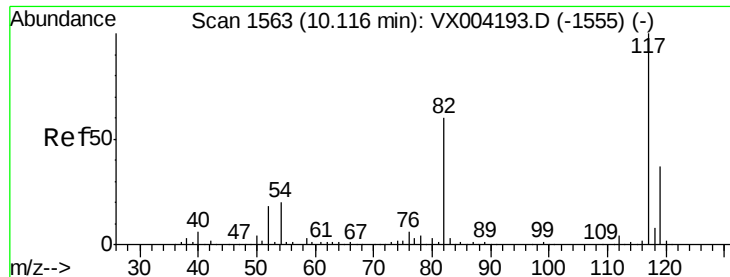
50000

0

11.10 11.14 11.20

Time-->





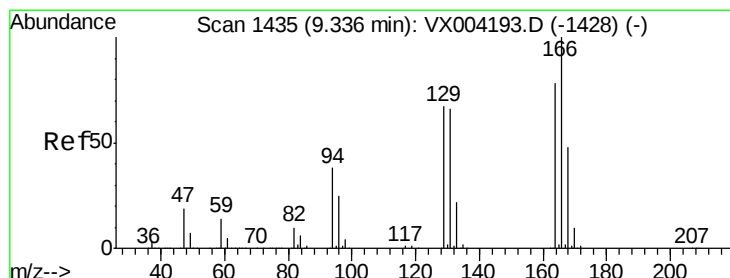
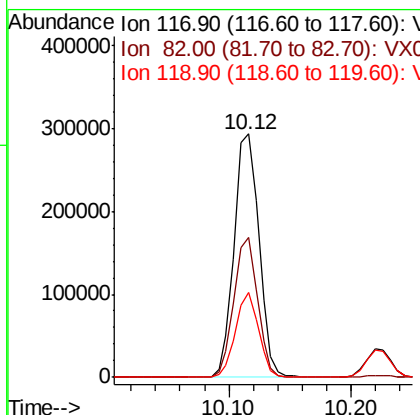
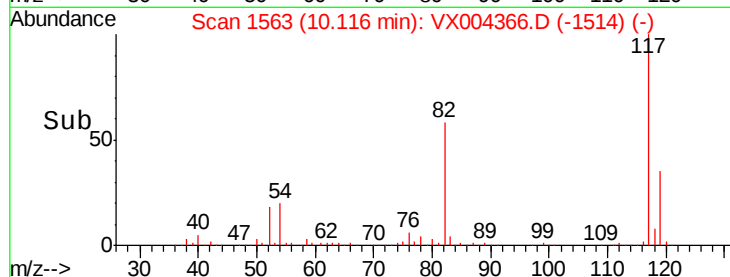
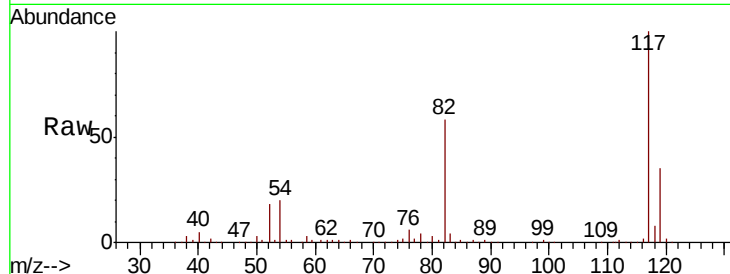
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	35.0	29.3	43.9

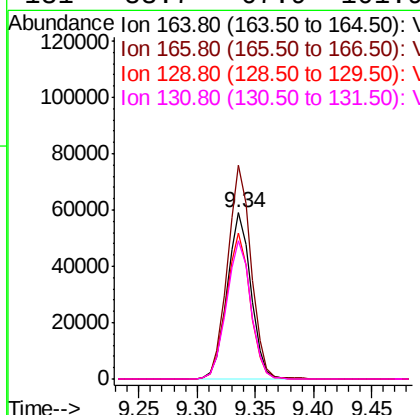
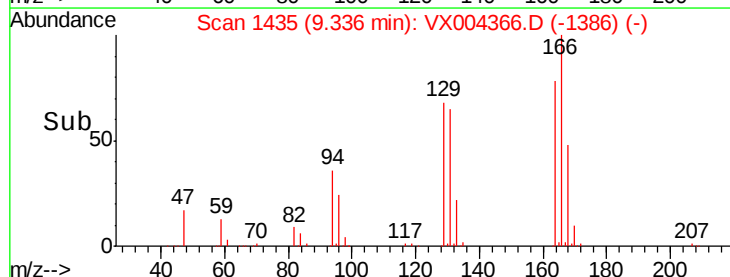
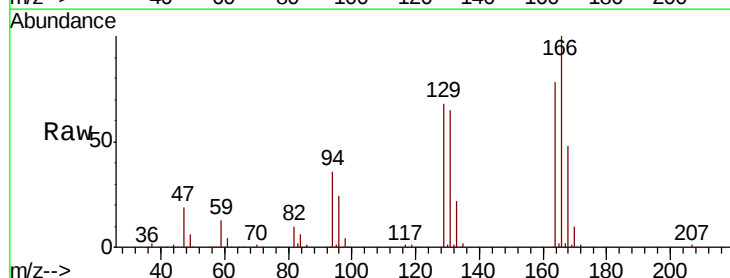
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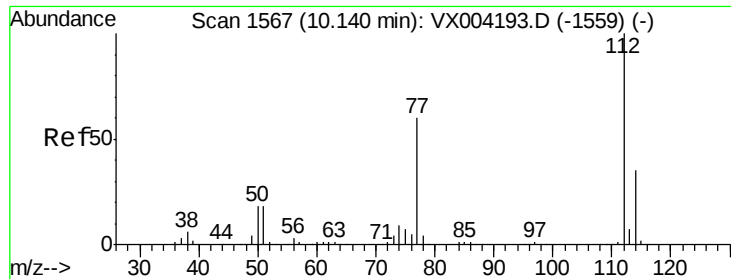
MMDadoda
9/6/2018 12:48:29 PM



#64
Tetrachloroethene
Concen: 20.68 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.8	154.2
129	88.2	69.4	104.0
131	83.7	67.9	101.9





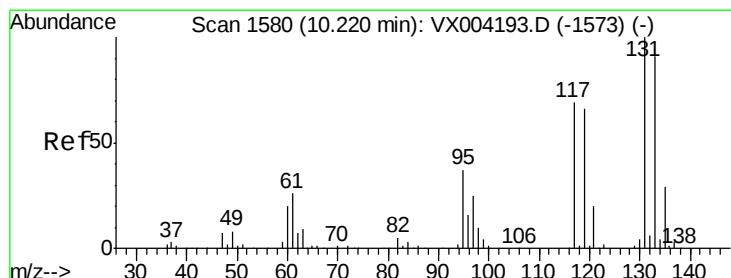
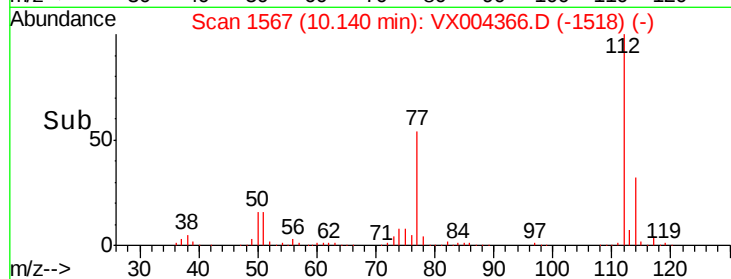
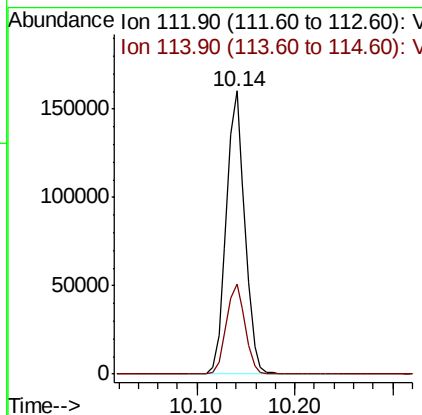
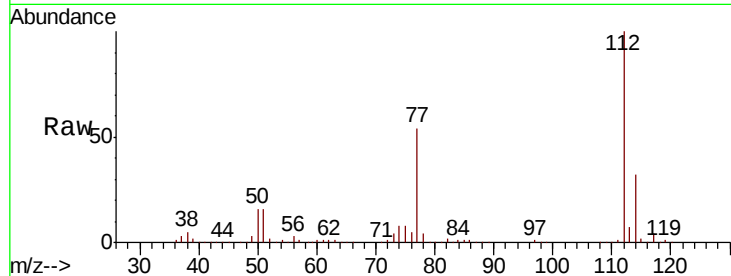
#65
Chlorobenzene
Concen: 20.50 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion:112 Resp: 211625
Ion Ratio Lower Upper
112 100
114 31.9 27.8 41.8

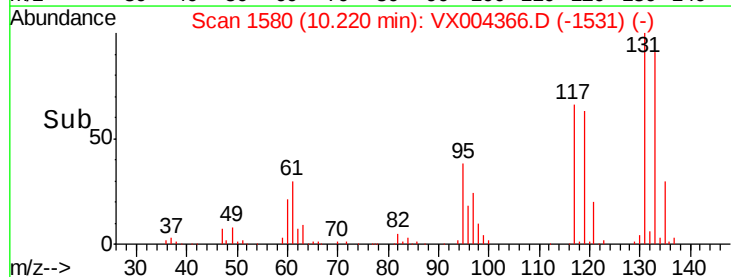
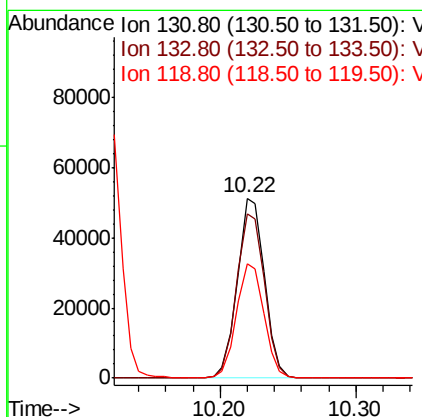
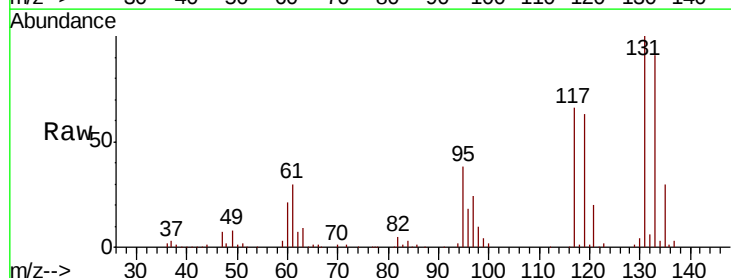
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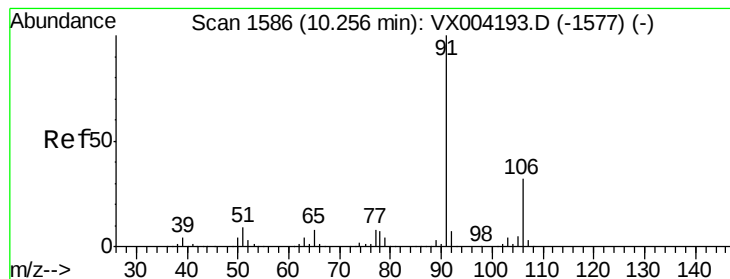
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.01 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion:131 Resp: 71249
Ion Ratio Lower Upper
131 100
133 93.8 48.1 144.4
119 64.7 32.9 98.6





#67

Ethyl Benzene

Concen: 19.80 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0905WBS01

Tot Ion: 91 Resp: 331853

Ion Ratio Lower Upper

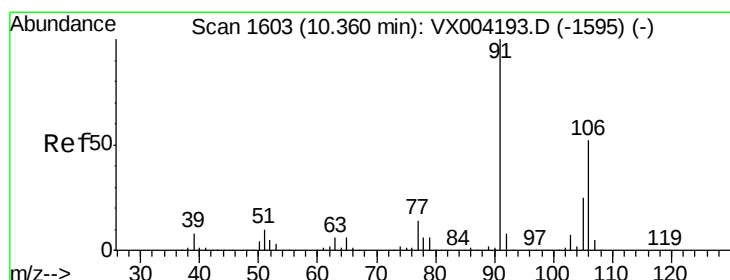
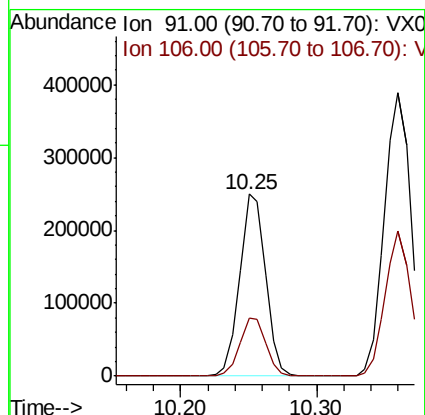
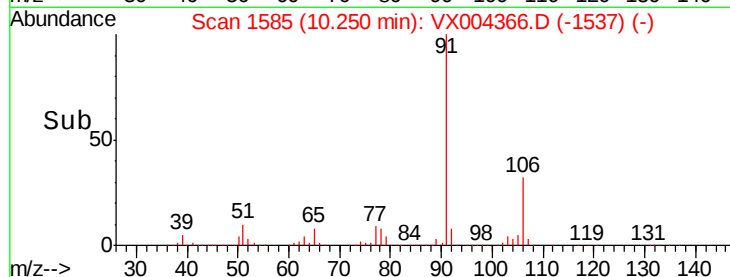
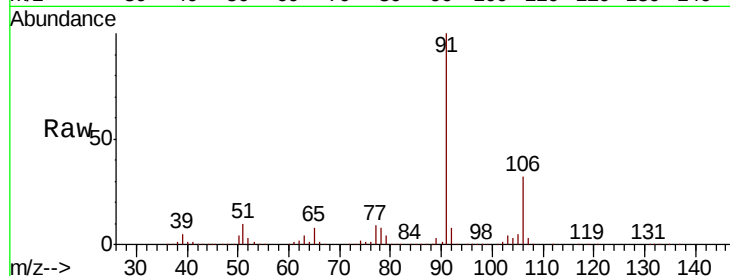
91 100

106 32.1 25.9 38.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.16 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004366.D

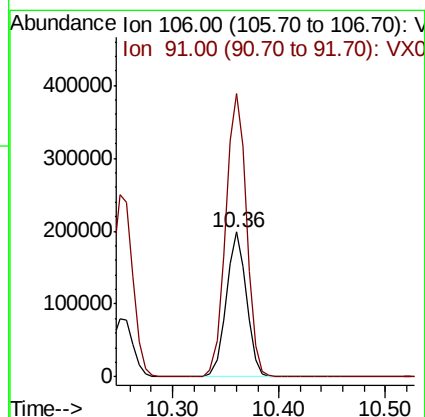
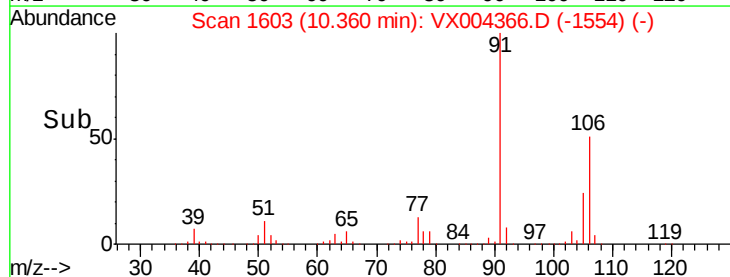
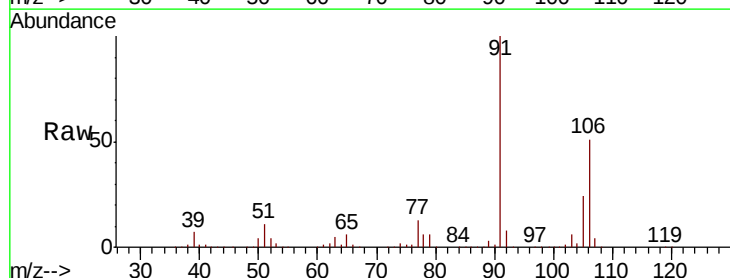
Acq: 05 Sep 2018 12:42

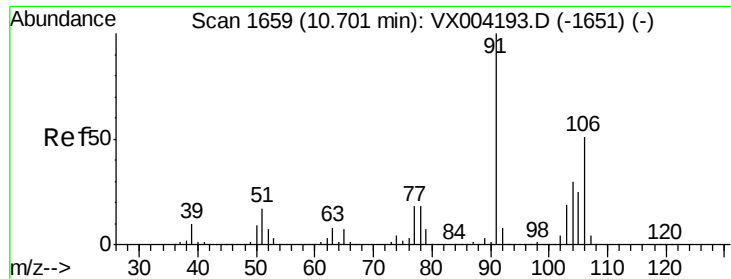
Tgt Ion: 106 Resp: 263280

Ion Ratio Lower Upper

106 100

91 202.4 157.1 235.7





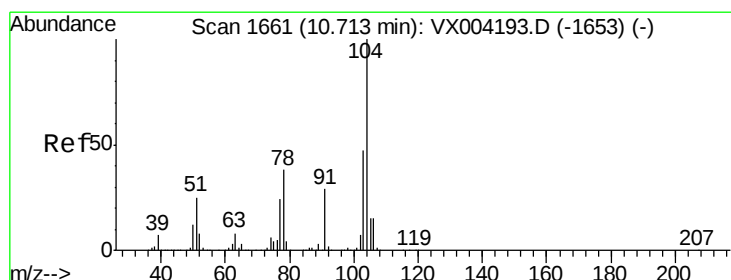
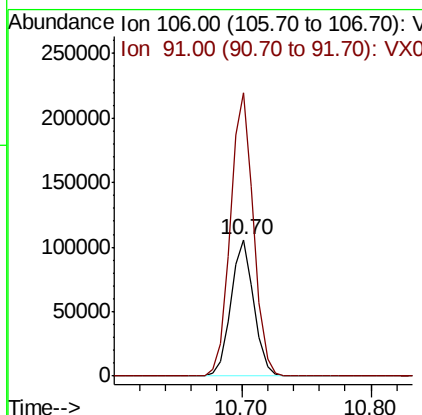
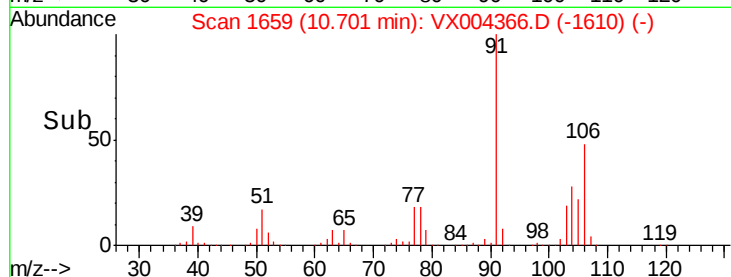
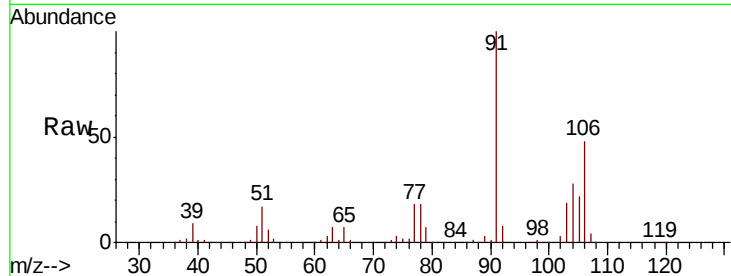
#69
o-Xylene
Concen: 21.23 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0905WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.7	105.1	131615	315.1	

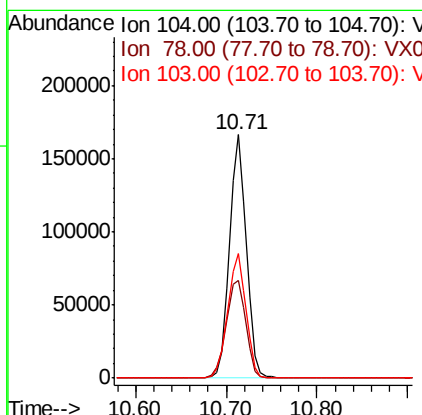
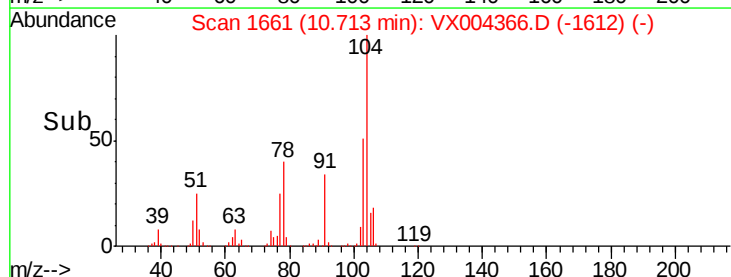
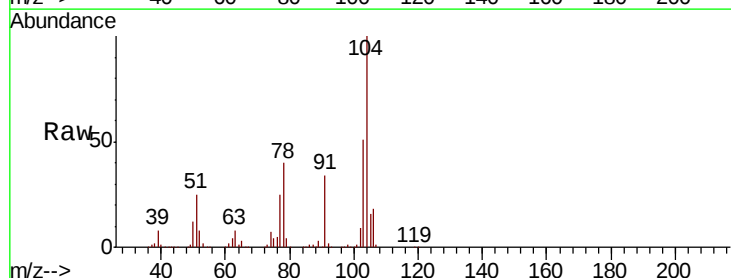
Manual Integrations
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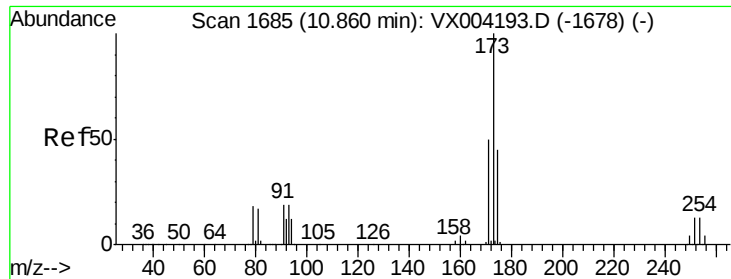
MMDadoda
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#70
Styrene
Concen: 21.37 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.1	37.4	214502	56.0	
103	55.5	43.8	65.6		





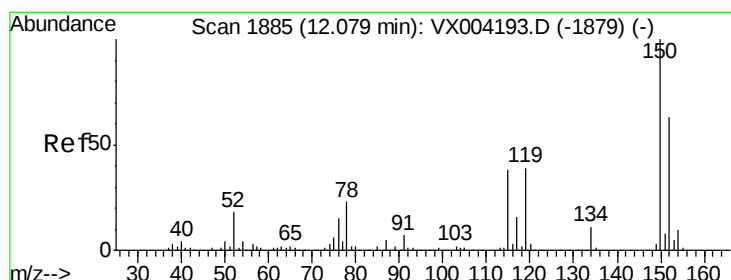
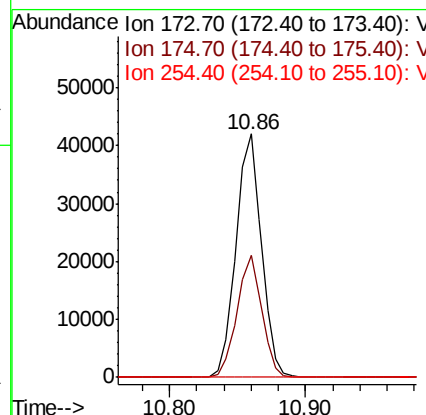
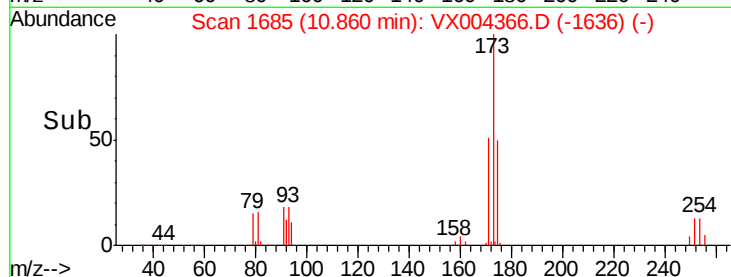
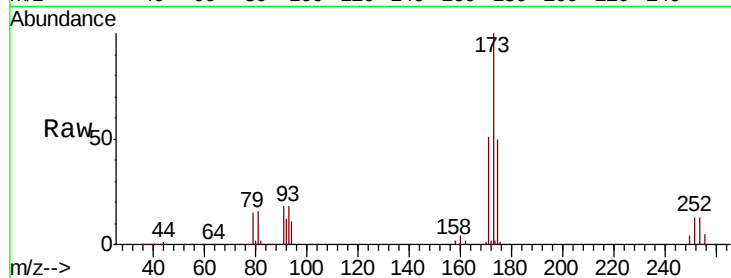
#71
Bromoform
Concen: 19.07 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

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

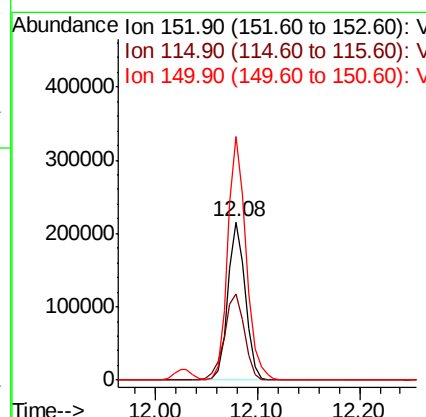
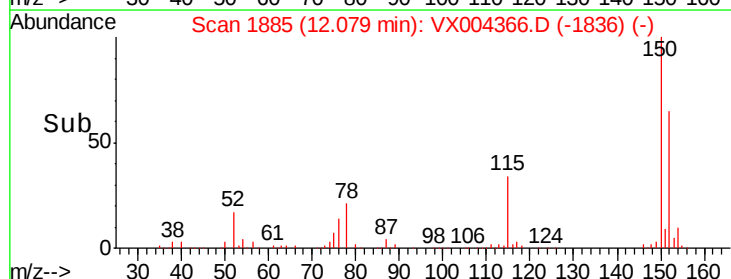
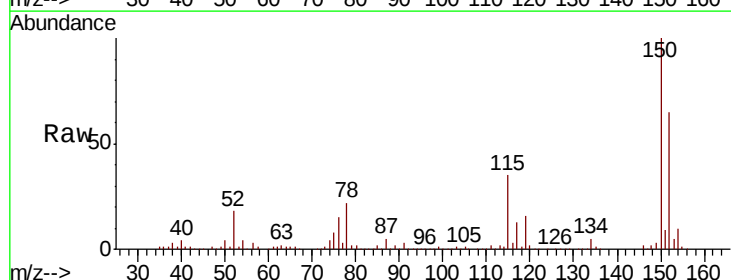
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	39.0	117.0
150	162.4	0.0	351.0





#73

Isopropylbenzene

Concen: 21.36 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBS01

Tot Ion: 105 Resp: 357258

Ion Ratio Lower Upper

105 100

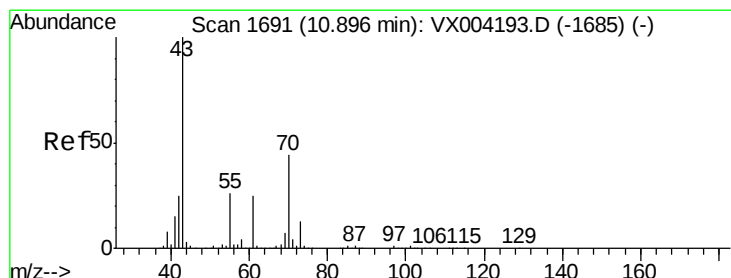
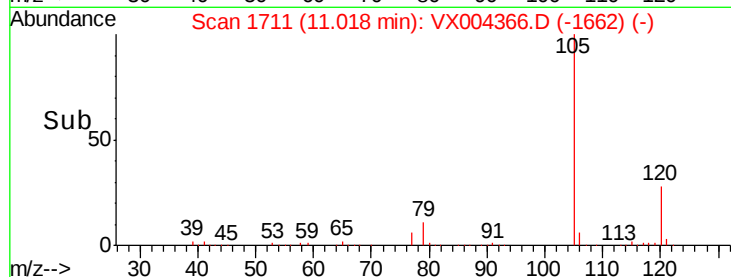
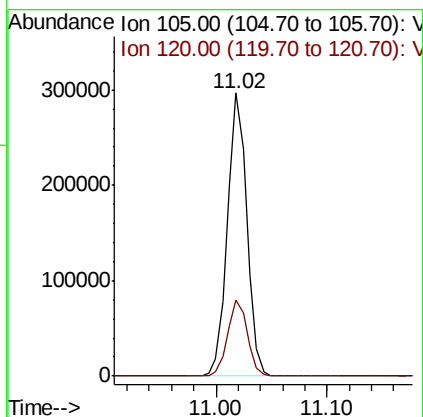
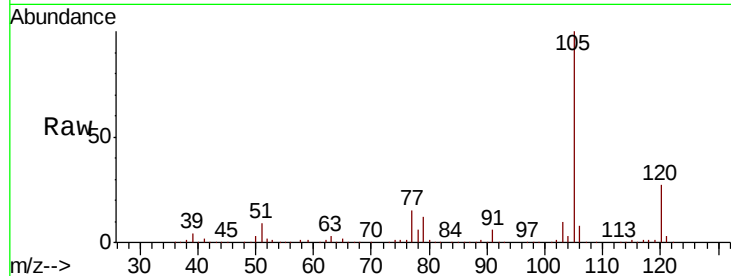
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.09 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Tgt Ion: 43 Resp: 129366

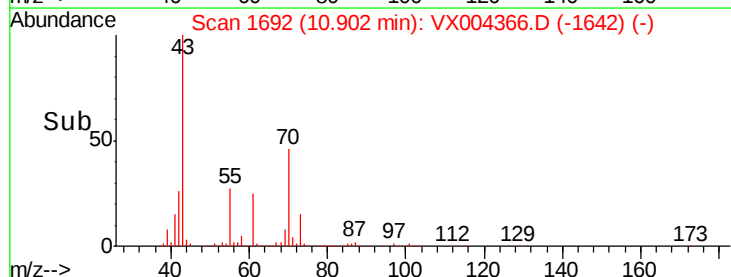
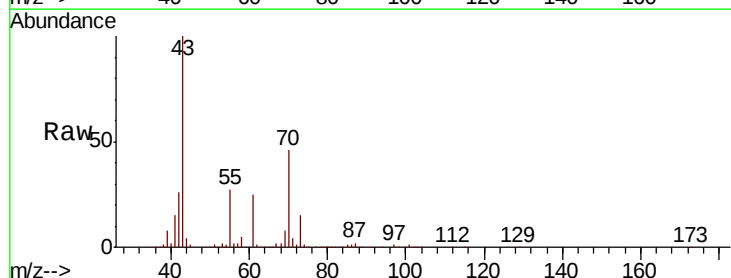
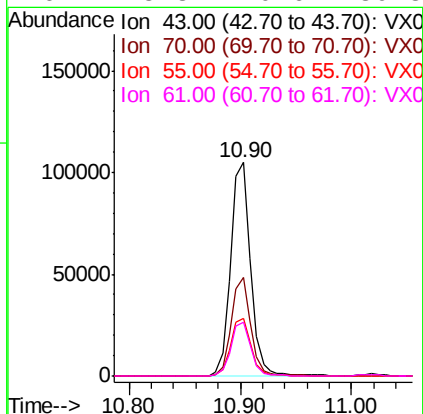
Ion Ratio Lower Upper

43 100

70 45.3 37.4 56.0

55 27.8 21.8 32.8

61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.00 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0905WBS01

Tot Ion: 83 Resp: 117056

Ion Ratio Lower Upper

83 100

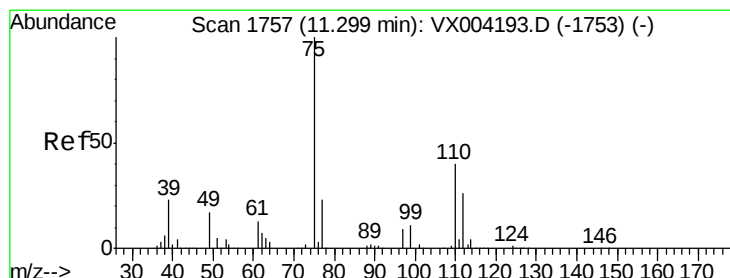
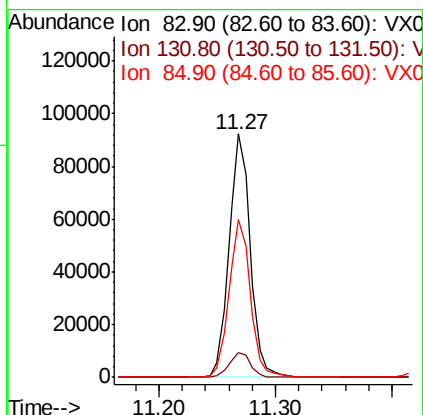
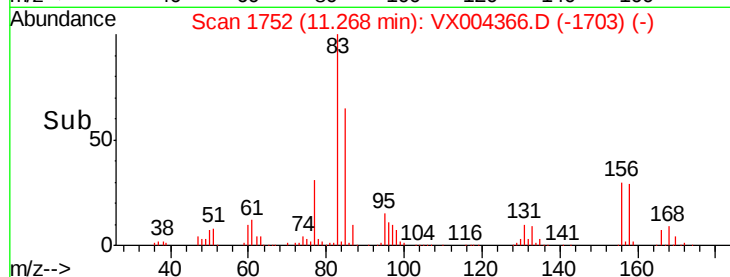
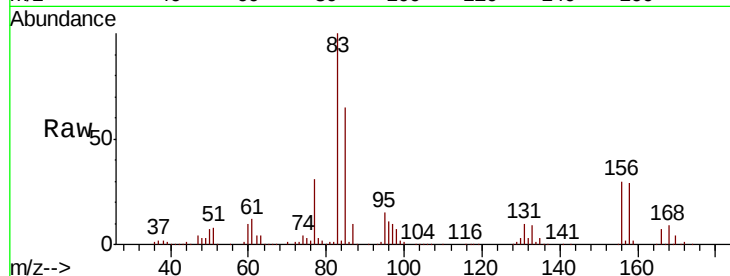
131 10.4 5.2 15.6

85 65.6 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 20.74 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004366.D

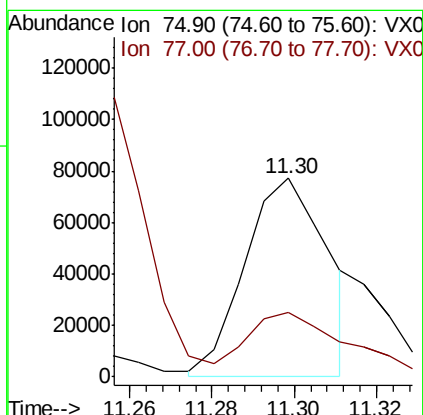
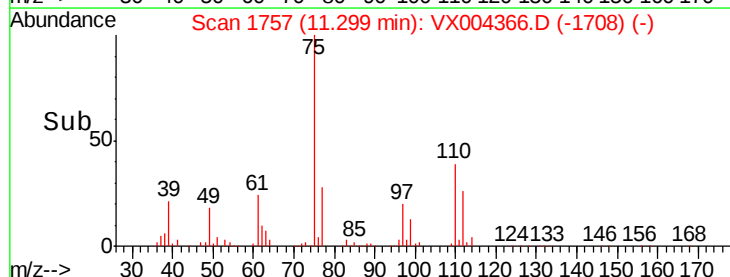
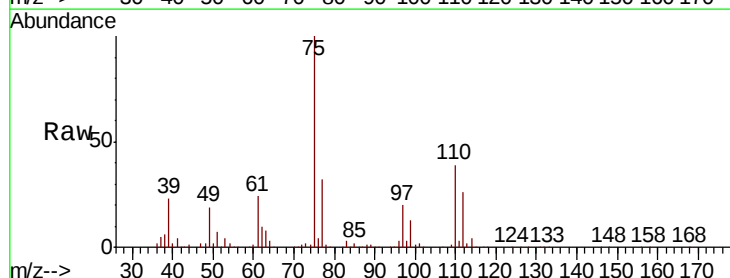
Acq: 05 Sep 2018 12:42

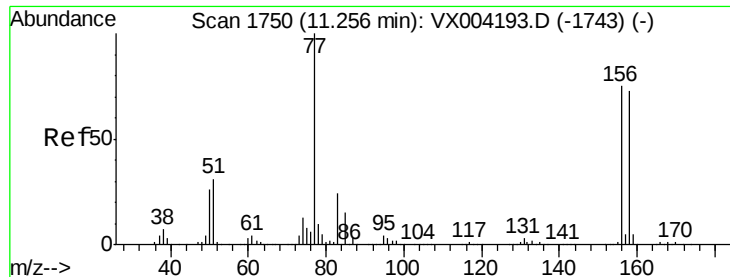
Tgt Ion: 75 Resp: 107397

Ion Ratio Lower Upper

75 100

77 39.2 20.2 60.6





#77

Bromobenzene

Concen: 20.64 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0905WBS01

Tot Ion:156 Resp: 96825

Ion Ratio Lower Upper

156 100

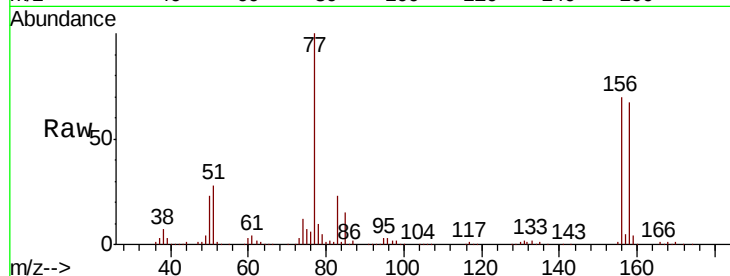
77 145.7 71.5 214.3

158 97.0 48.9 146.8

Manual Integrations
APPROVED

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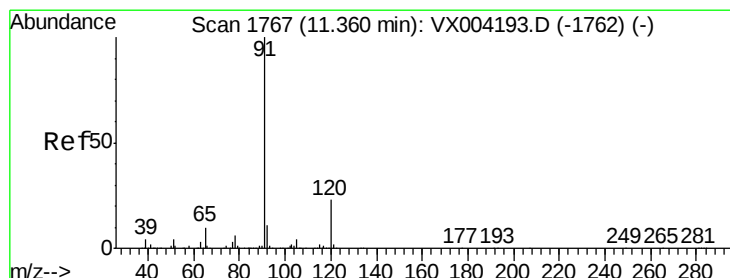
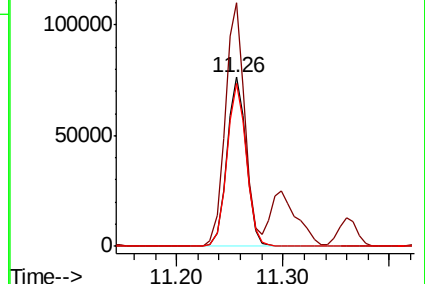
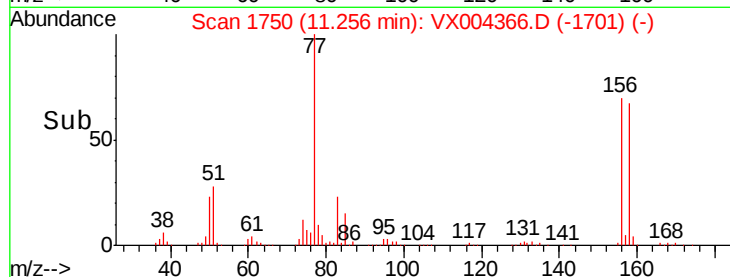
9/6/2018 12:48:29 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.40 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004366.D

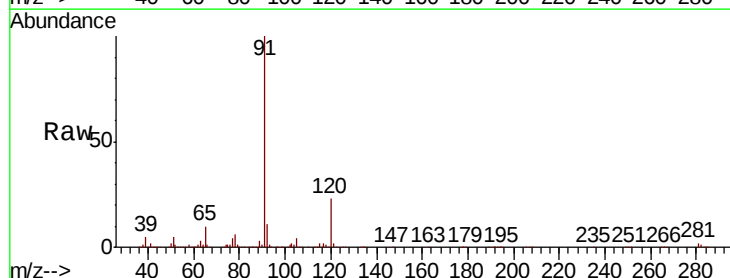
Acq: 05 Sep 2018 12:42

Tgt Ion: 91 Resp: 411708

Ion Ratio Lower Upper

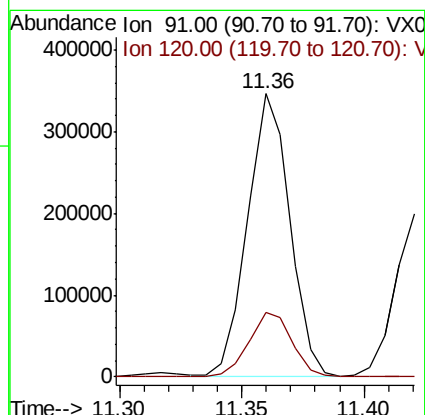
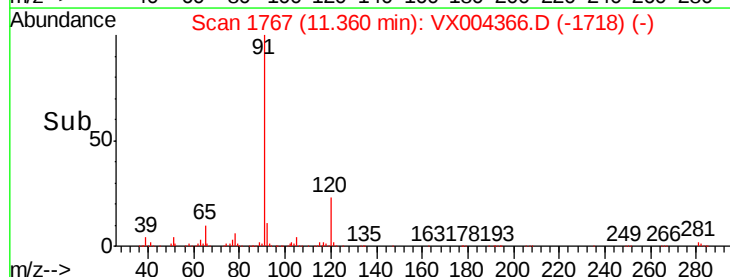
91 100

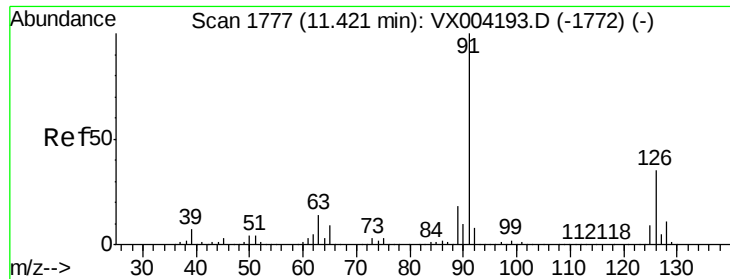
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.82 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004366.D

Acq: 05 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0905WBS01

Tot Ion: 91 Resp: 246493

Ion Ratio Lower Upper

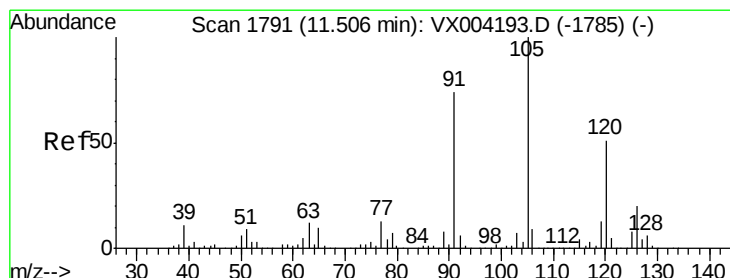
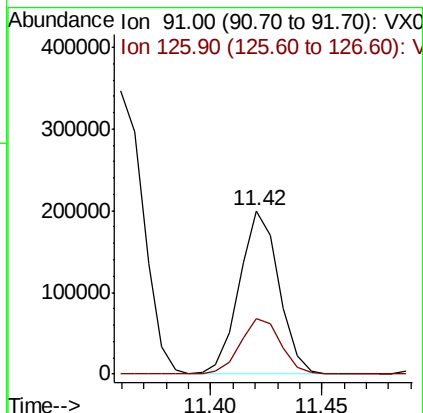
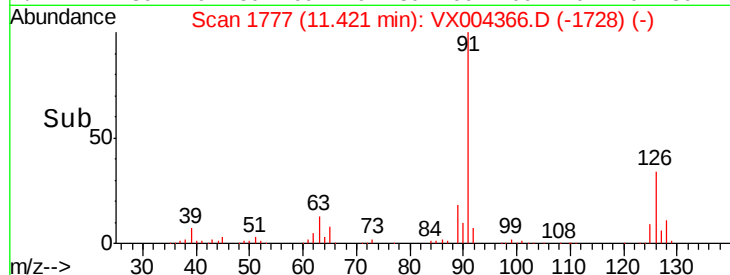
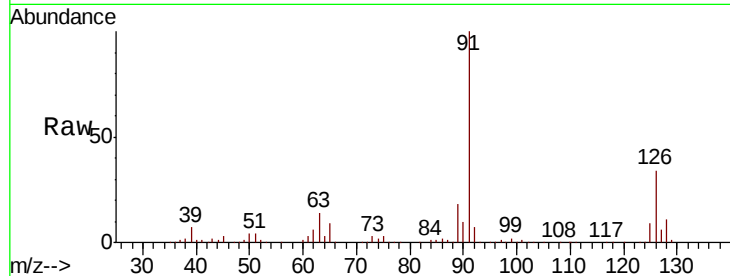
91 100

126 34.8 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 21.50 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004366.D

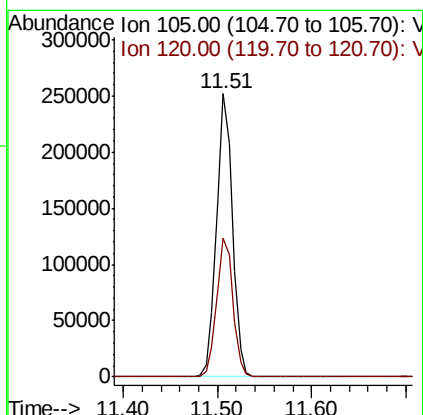
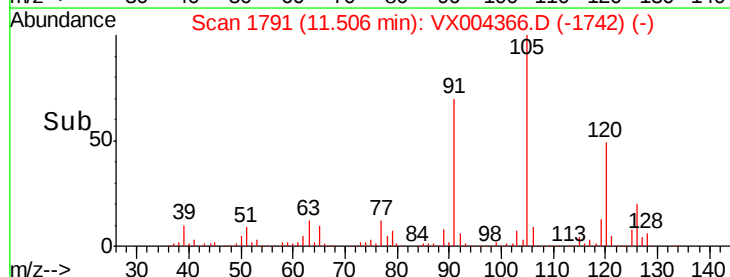
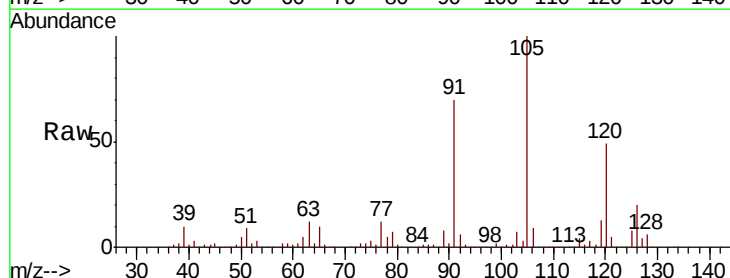
Acq: 05 Sep 2018 12:42

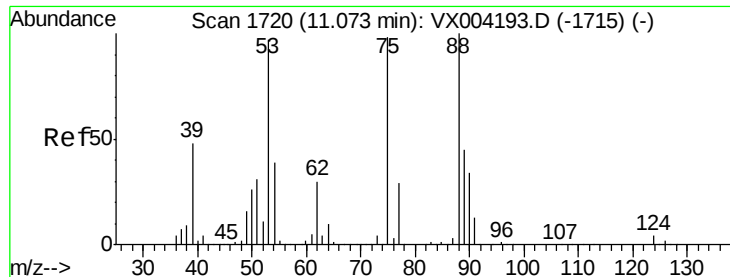
Tgt Ion: 105 Resp: 297781

Ion Ratio Lower Upper

105 100

120 50.3 25.6 76.8





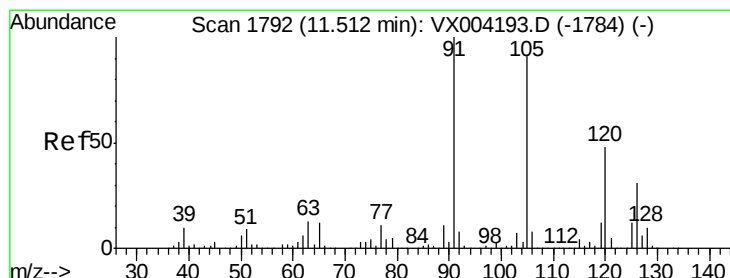
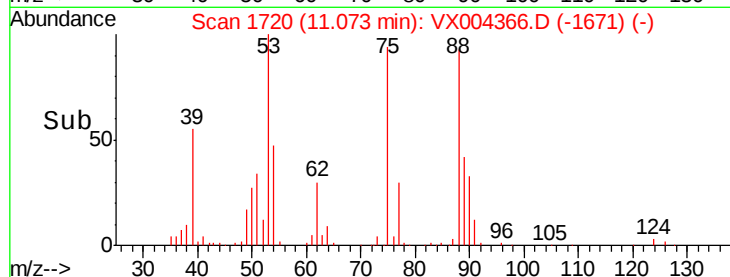
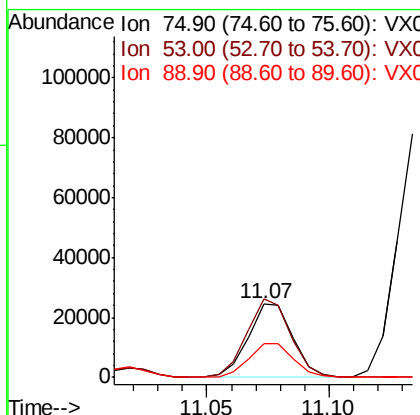
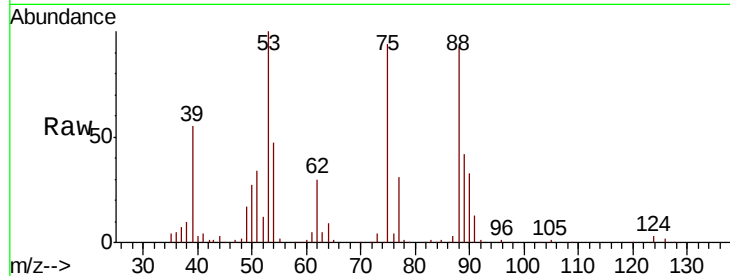
#81
trans-1,4-Dichloro-2-butene
Concen: 19.35 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0905WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.9	80.1	120.1
89	46.4	37.2	55.8

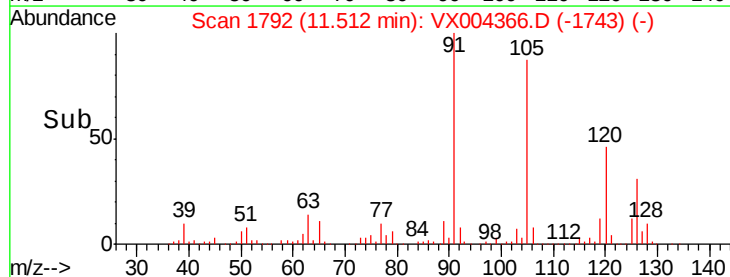
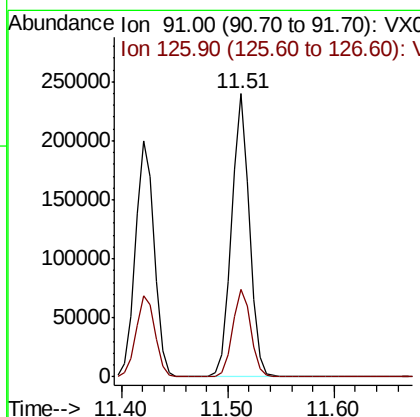
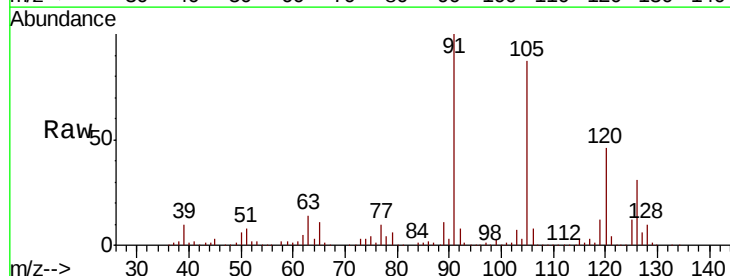
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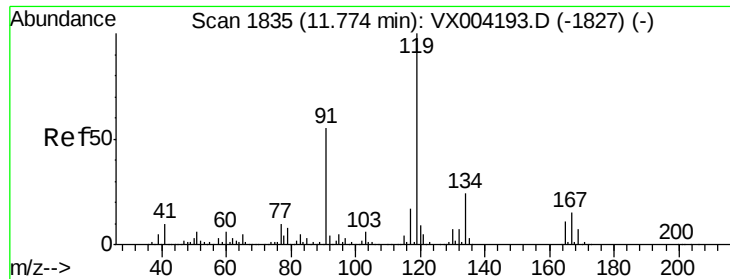
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#82
4-Chlorotoluene
Concen: 20.19 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.5	46.5





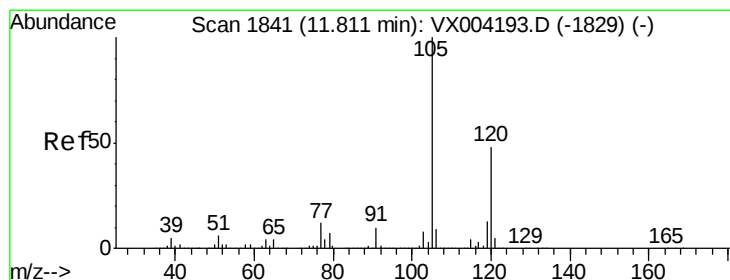
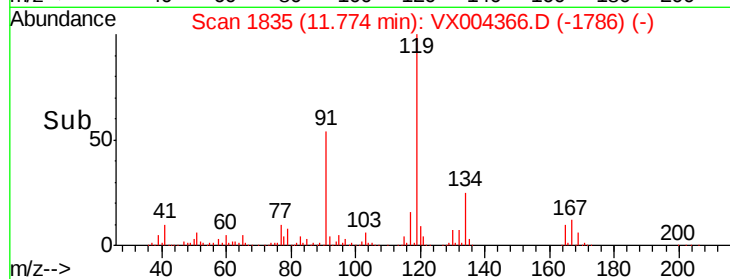
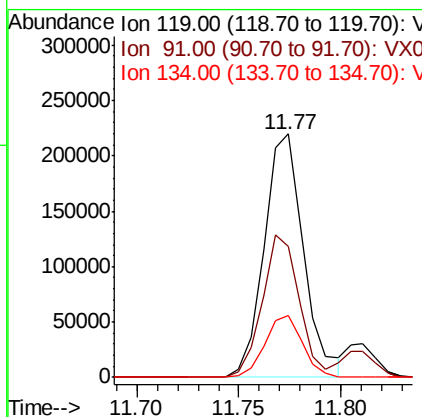
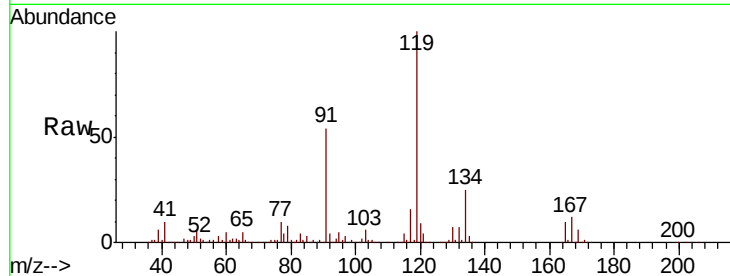
#83
 tert-Butylbenzene
 Concen: 21.25 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296101		
91	54.8	27.0	81.0	
134	24.2	11.7	35.1	

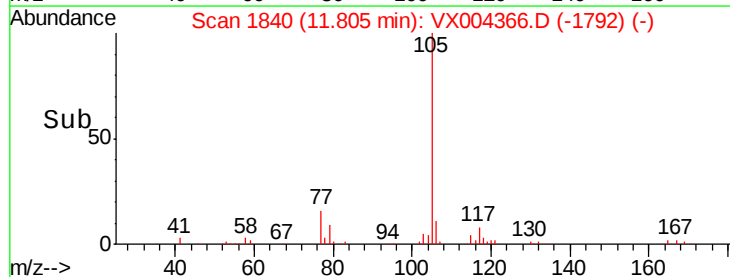
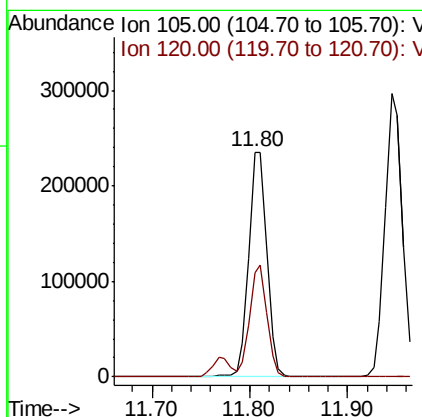
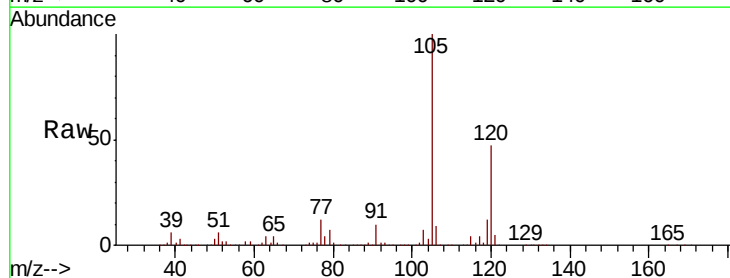
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.43 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	304726		
120	47.0	23.2	69.6	





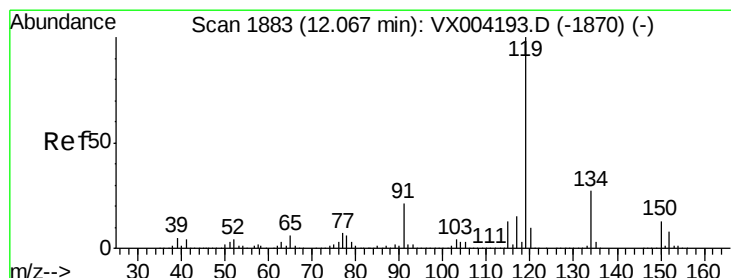
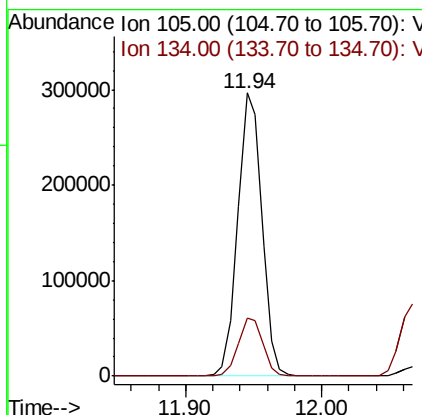
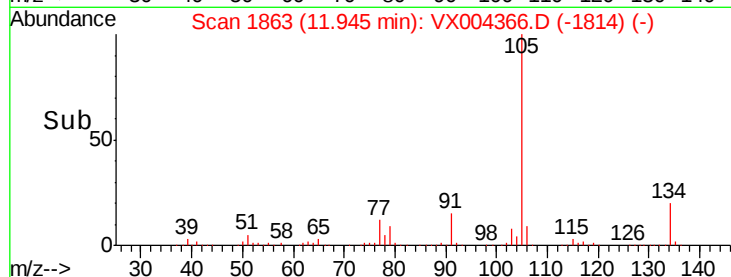
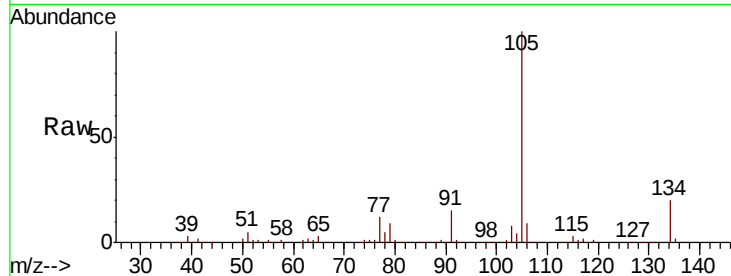
#85
 sec-Butylbenzene
 Concen: 22.09 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBS01

Tot Ion:105 Resp: 365420
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.5

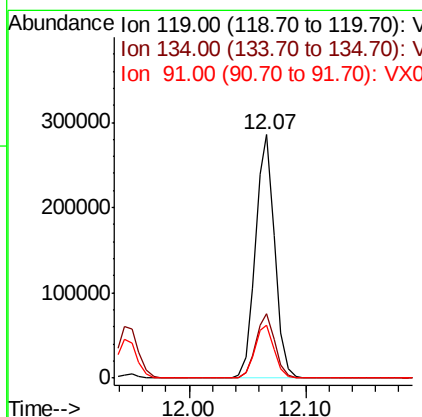
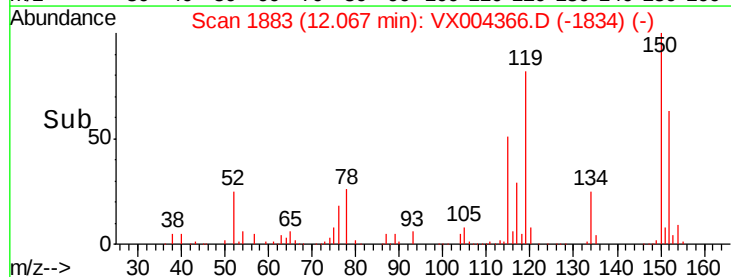
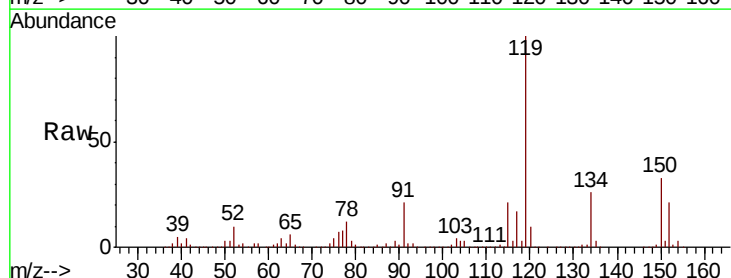
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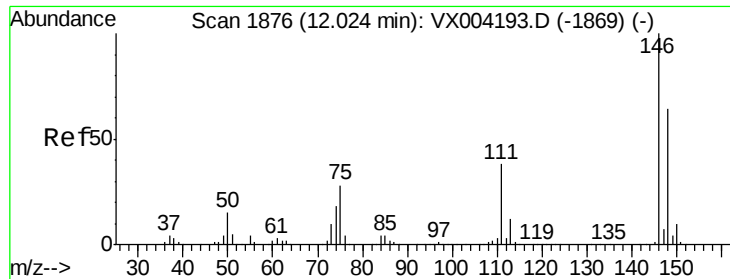
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#86
 p-Isopropyltoluene
 Concen: 22.03 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Tgt Ion:119 Resp: 326682
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 22.0 10.9 32.7





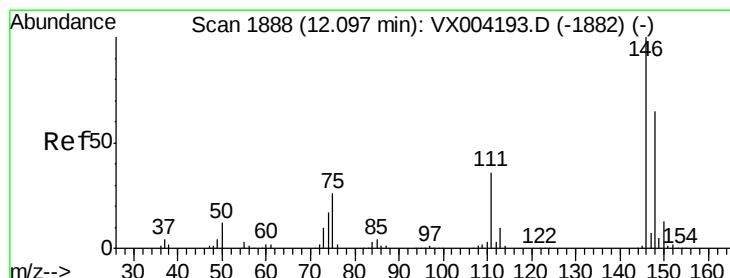
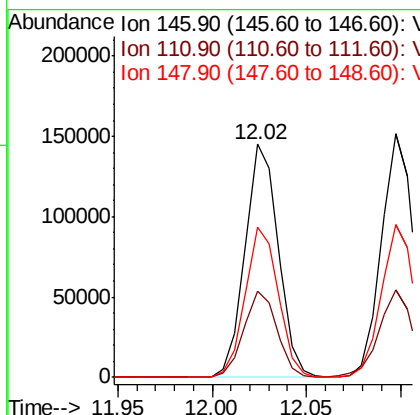
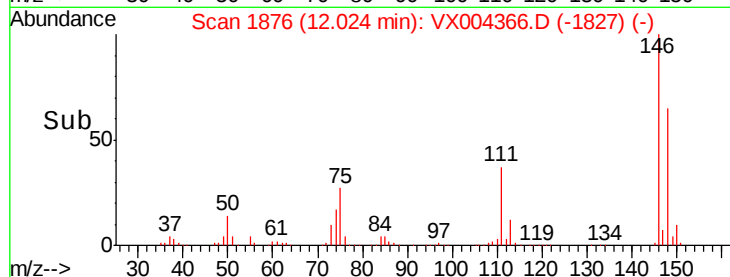
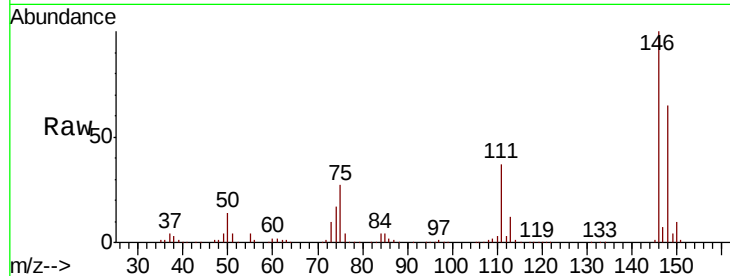
#87
 1,3-Dichlorobenzene
 Concen: 20.19 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	64.1	32.1	96.5

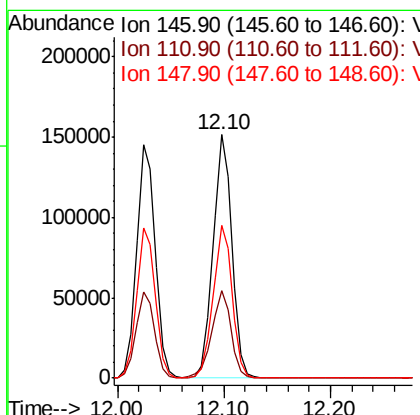
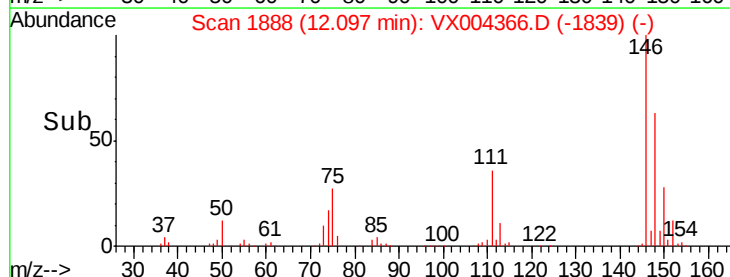
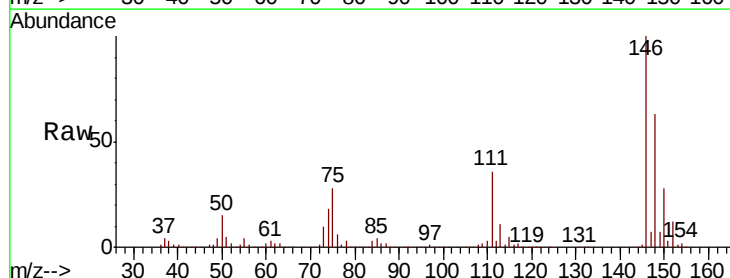
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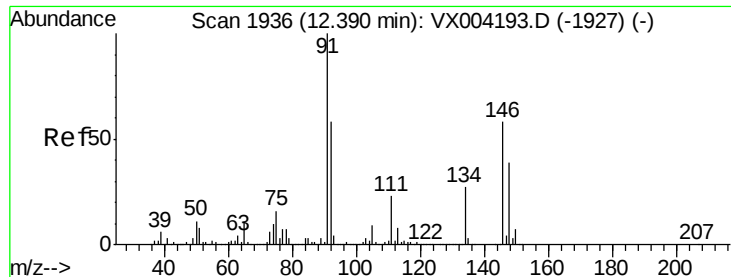
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#88
 1,4-Dichlorobenzene
 Concen: 19.65 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	63.7	32.0	96.0





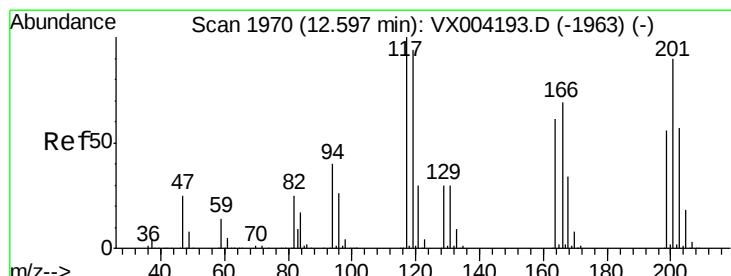
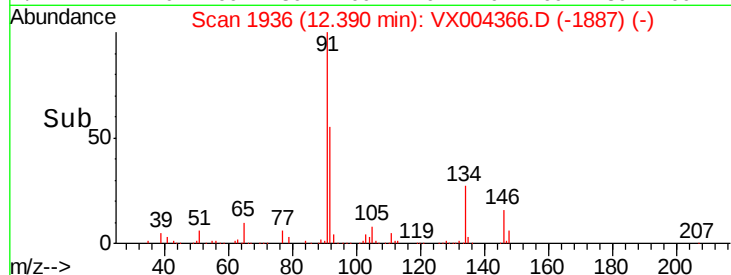
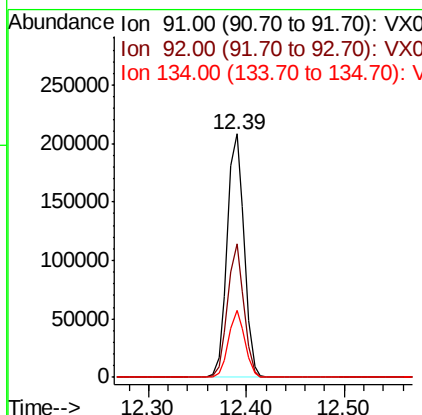
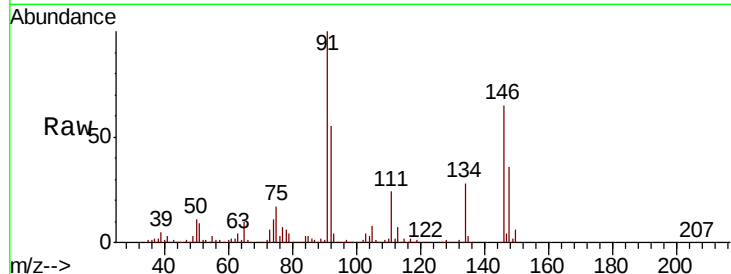
#89
n-Butylbenzene
Concen: 20.84 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	27.3	81.9	
134	26.3	13.6	40.7	

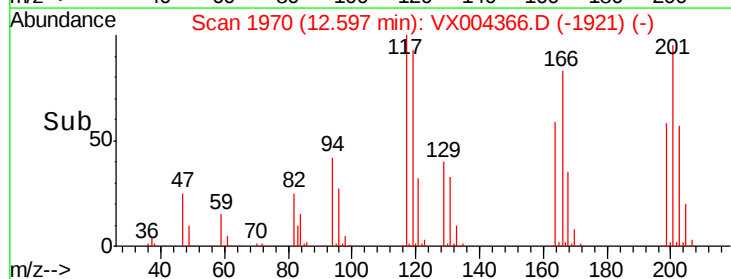
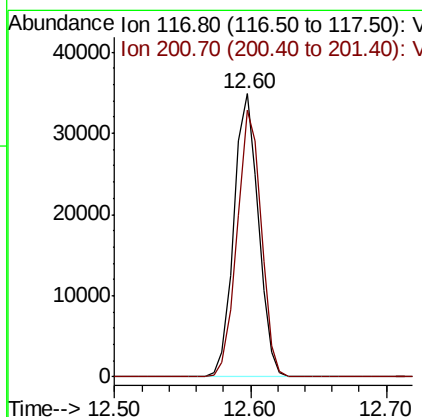
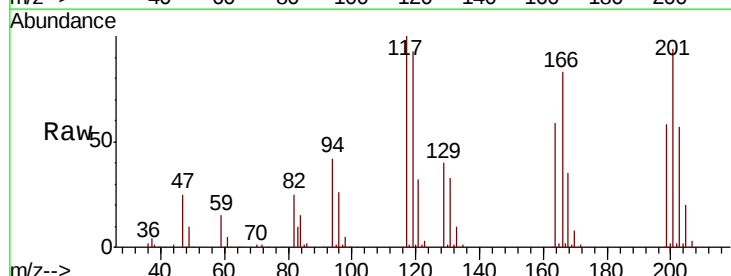
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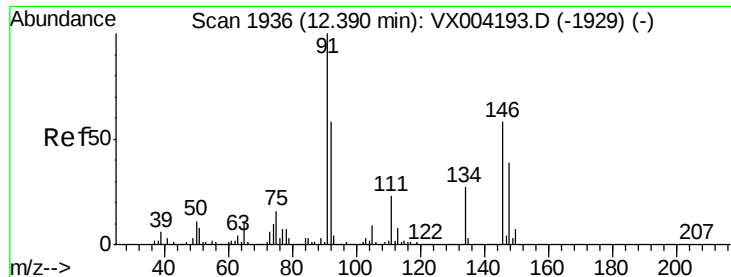
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#90
Hexachloroethane
Concen: 21.11 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	92.8	46.9	140.6	





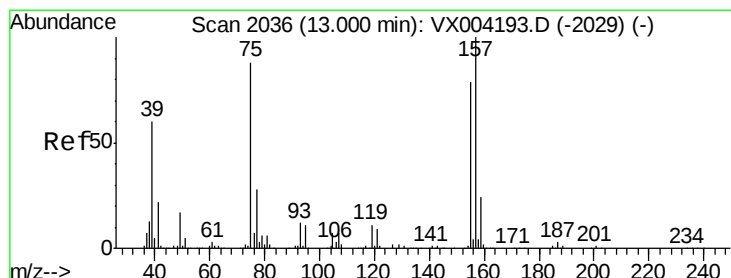
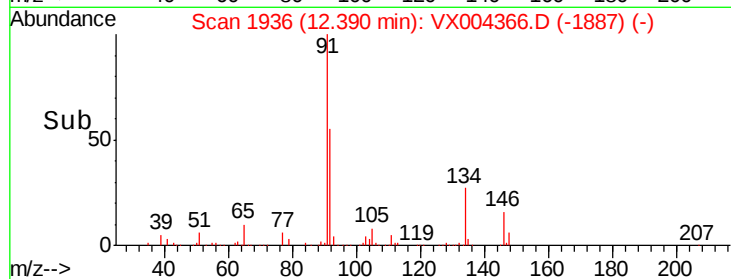
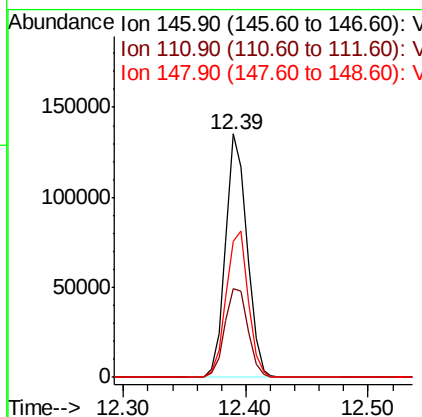
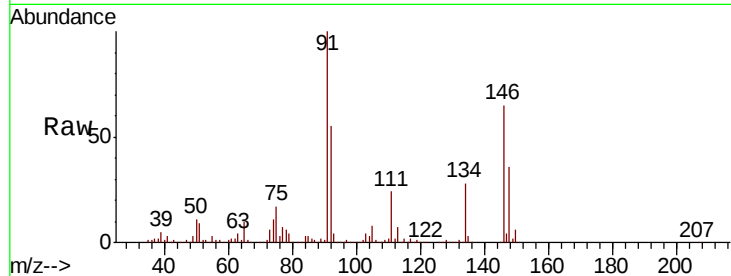
#91
 1,2-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.1
148	62.1	32.8	98.3

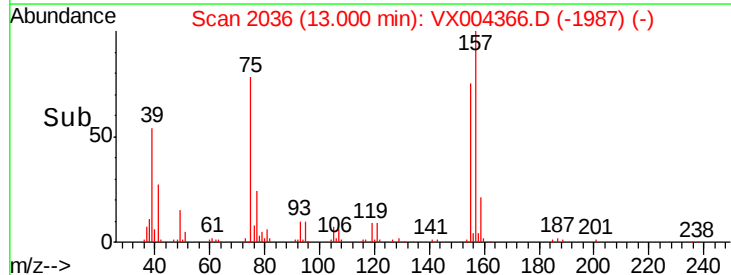
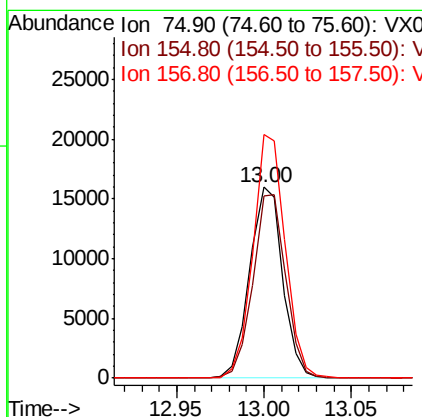
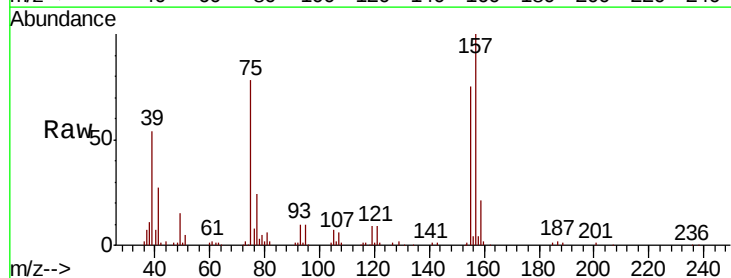
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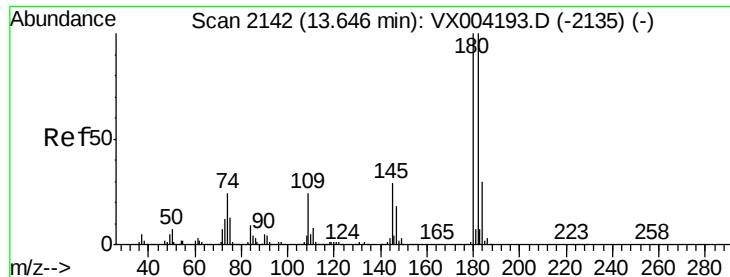
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.29 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	48.0	144.2
157	124.4	61.4	184.1





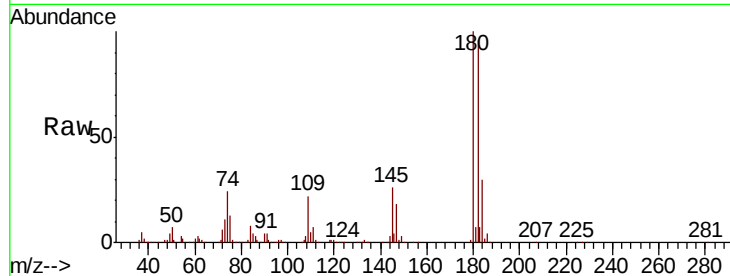
#93
 1,2,4-Trichlorobenzene
 Concen: 21.47 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905WBS01

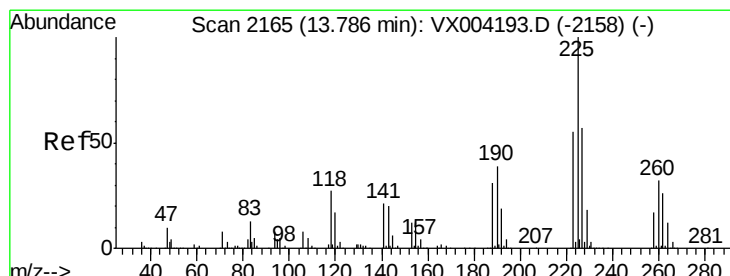
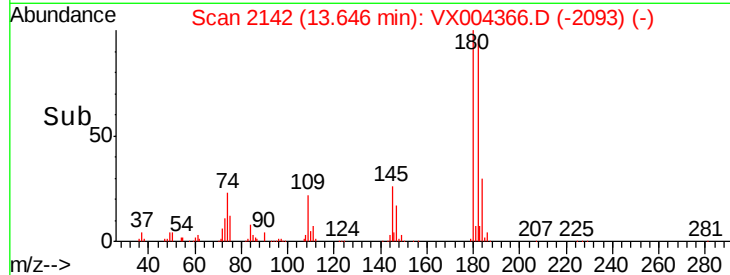
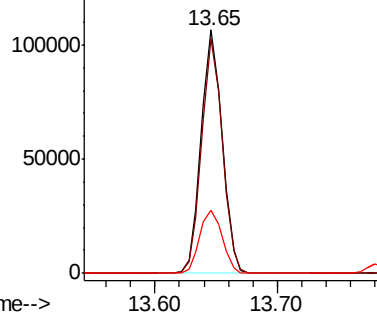
Tot Ion	Ratio	Resp	Lower	Upper
180	100	126095		
182	95.0	48.4	145.0	
145	27.8	14.3	42.9	

Manual Integrations
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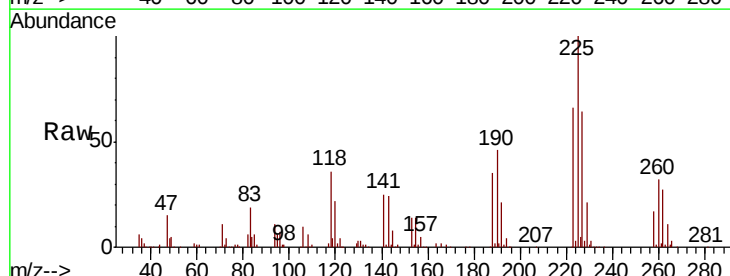


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

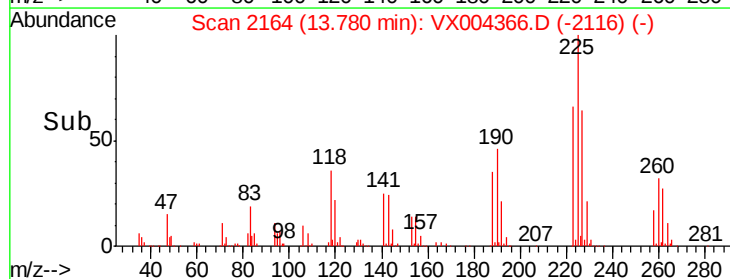
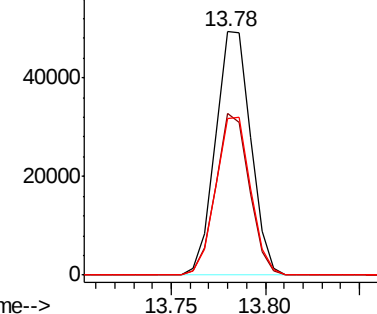


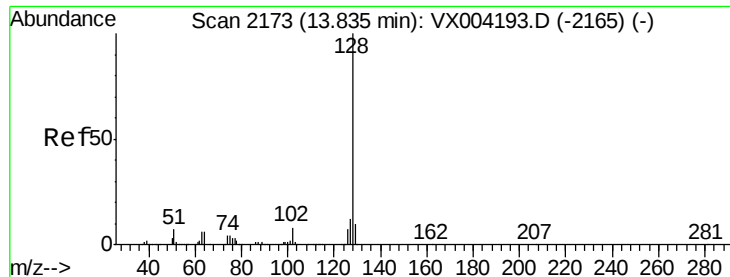
#94
 Hexachlorobutadiene
 Concen: 23.39 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004366.D
 Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64126		
223	63.3	30.1	90.5	
227	64.1	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





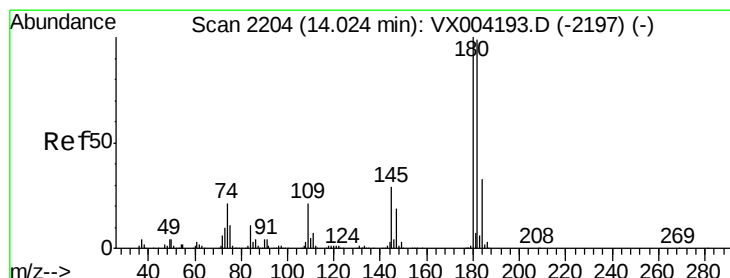
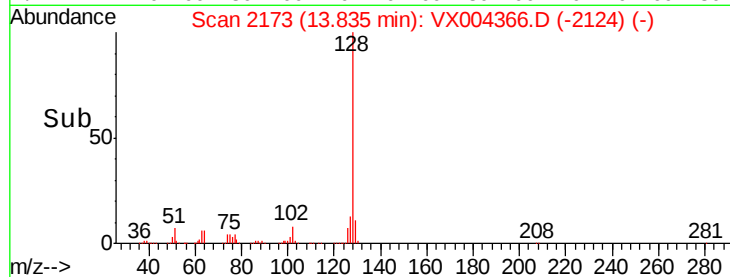
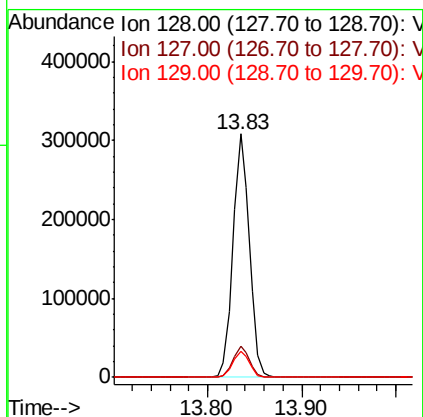
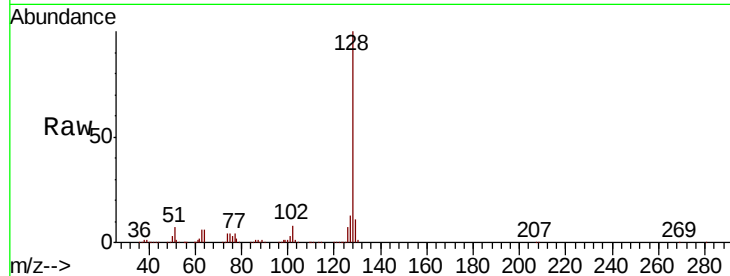
#95
Naphthalene
Concen: 22.30 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	370577		
127	13.0		10.2	15.2
129	11.0		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.33 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004366.D
Acq: 05 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	132648		
182	95.4		48.5	145.6
145	29.3		14.9	44.9

