

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004325.D
 Acq On : 30 Aug 2018 18:13
 Operator : JC/MD
 Sample : VX0830WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2018 4:30:21 PM

Quant Time: Aug 31 01:09:11 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	311497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	451151	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	241680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	202577	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	5.50	113	174275	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	8.71	98	644577	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.14	95	238210	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	71773	19.89	ug/l	97
3) Chloromethane	1.32	50	78498	19.86	ug/l	99
4) Vinyl Chloride	1.40	62	82088	20.11	ug/l	100
5) Bromomethane	1.64	94	42897	20.11	ug/l	97
6) Chloroethane	1.72	64	55291	18.36	ug/l	97
7) Trichlorofluoromethane	1.93	101	111631	19.96	ug/l	95
8) Diethyl Ether	2.18	74	49305	20.59	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69491	19.84	ug/l	100
10) Methyl Iodide	2.51	142	69108	20.26	ug/l	99
11) Tert butyl alcohol	3.07	59	93222	107.72	ug/l	100
12) 1,1-Dichloroethene	2.37	96	63892	19.36	ug/l	97
13) Acrolein	2.29	56	76066	364.57	ug/l	97
14) Allyl chloride	2.73	41	126261	20.83	ug/l	97
15) Acrylonitrile	3.15	53	222152	103.65	ug/l	99
16) Acetone	2.45	43	193302	112.18	ug/l	98
17) Carbon Disulfide	2.57	76	161254	18.11	ug/l	98
18) Methyl Acetate	2.78	43	154744	25.68	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	225296	20.72	ug/l	96
20) Methylene Chloride	2.86	84	78059	19.97	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	69471	19.02	ug/l	97
22) Diisopropyl ether	3.87	45	234073	20.68	ug/l	99
23) Vinyl Acetate	3.82	43	906182	98.77	ug/l	99
24) 1,1-Dichloroethane	3.69	63	137415	20.83	ug/l	99
25) 2-Butanone	4.70	43	295789	107.10	ug/l	97
26) 2,2-Dichloropropane	4.58	77	102599	19.83	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	82172	19.84	ug/l	99
28) Bromochloromethane	5.01	49	62471	21.39	ug/l	99
29) Tetrahydrofuran	5.16	42	184248	105.63	ug/l	99
30) Chloroform	5.21	83	135614	20.50	ug/l	99
31) Cyclohexane	5.57	56	109644	19.26	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	111478	20.21	ug/l	99
36) 1,1-Dichloropropene	5.79	75	99039	19.53	ug/l	100
37) Ethyl Acetate	4.86	43	104914	21.03	ug/l	100
38) Carbon Tetrachloride	5.78	117	95709	20.06	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
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Quant Time: Aug 31 01:09:11 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	105139	18.16	ug/l	98
40) Benzene	6.14	78	309552	20.43	ug/l	99
41) Methacrylonitrile	5.06	41	61087	21.13	ug/l	99
42) 1,2-Dichloroethane	6.20	62	104572	20.23	ug/l	99
43) Isopropyl Acetate	6.46	43	158477	20.68	ug/l	99
44) Trichloroethene	7.21	130	81823	19.50	ug/l	99
45) 1,2-Dichloropropane	7.52	63	79629	20.99	ug/l	98
46) Dibromomethane	7.67	93	51391	20.35	ug/l	100
47) Bromodichloromethane	7.90	83	96427	20.52	ug/l	99
48) Methyl methacrylate	7.78	41	84382	20.57	ug/l	99
49) 1,4-Dioxane	7.76	88	38356	411.91	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	569154	102.20	ug/l	99
52) Toluene	8.79	92	193955	20.44	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	103224	19.89	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	116196	20.55	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	80195	20.94	ug/l	98
56) Ethyl methacrylate	9.18	69	106680	20.46	ug/l	100
57) 1,3-Dichloropropane	9.37	76	136086	21.08	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	286683	107.32	ug/l	99
59) 2-Hexanone	9.50	43	429040	100.98	ug/l	100
60) Dibromochloromethane	9.59	129	76168	20.41	ug/l	100
61) 1,2-Dibromoethane	9.67	107	81244	20.50	ug/l	99
64) Tetrachloroethene	9.34	164	83282	20.13	ug/l	98
65) Chlorobenzene	10.14	112	203885	19.40	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	74125	20.45	ug/l	96
67) Ethyl Benzene	10.26	91	336299	19.70	ug/l	99
68) m/p-Xylenes	10.36	106	275922	41.34	ug/l	97
69) o-Xylene	10.70	106	131899	20.89	ug/l	99
70) Styrene	10.71	104	220169	21.54	ug/l	99
71) Bromoform	10.86	173	58084	19.88	ug/l	99
73) Isopropylbenzene	11.02	105	360038	22.68	ug/l	100
74) N-amyl acetate	10.90	43	133100	21.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	123795	22.29	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	111701m	22.73	ug/l	
77) Bromobenzene	11.26	156	96233	21.61	ug/l	97
78) n-propylbenzene	11.36	91	411914	22.56	ug/l	100
79) 2-Chlorotoluene	11.42	91	247466	22.02	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	299881	22.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	31654	20.89	ug/l	96
82) 4-Chlorotoluene	11.51	91	286875	21.70	ug/l	99
83) tert-Butylbenzene	11.77	119	283990	21.47	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	307789	22.81	ug/l	99
85) sec-Butylbenzene	11.94	105	350911	22.35	ug/l	100
86) p-Isopropyltoluene	12.07	119	312145	22.18	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	176909	21.10	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	172715	19.54	ug/l	97
89) n-Butylbenzene	12.39	91	233165	20.38	ug/l	98
90) Hexachloroethane	12.60	117	40061	20.37	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	158205	20.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20522	20.98	ug/l	99

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

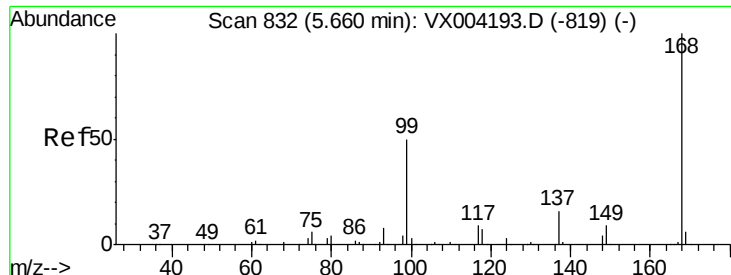
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103257	18.52	ug/l	98
94) Hexachlorobutadiene	13.78	225	48933	18.78	ug/l	97
95) Naphthalene	13.83	128	311034	19.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108007	18.30	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion:168 Resp: 311497

Ion Ratio Lower Upper

168 100

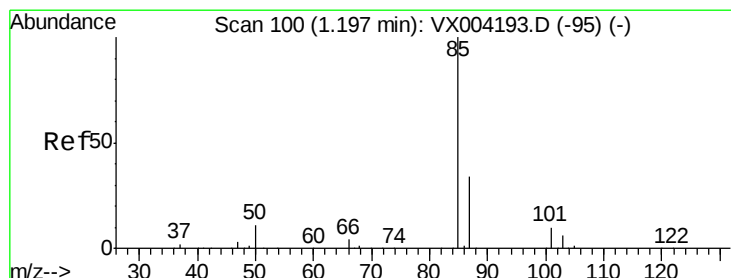
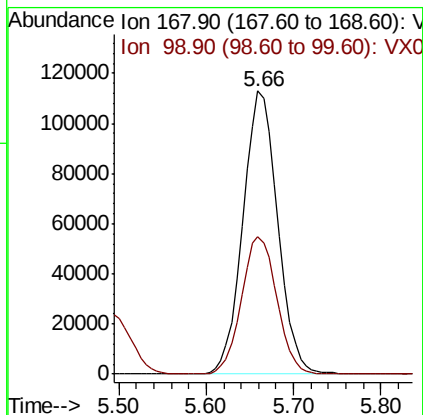
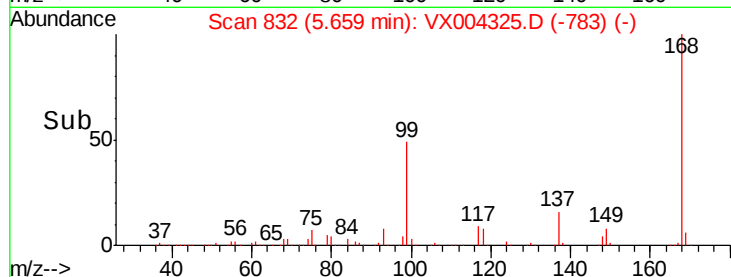
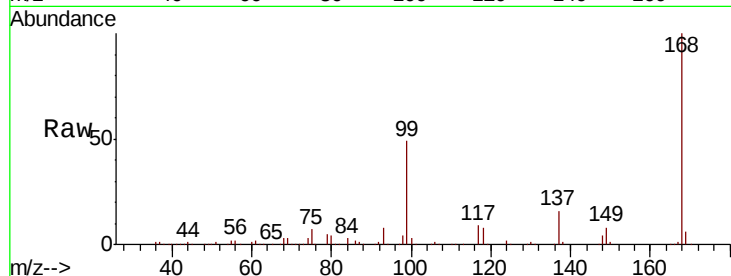
99 48.7 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.89 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004325.D

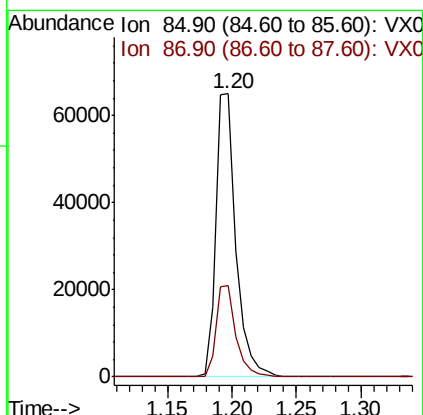
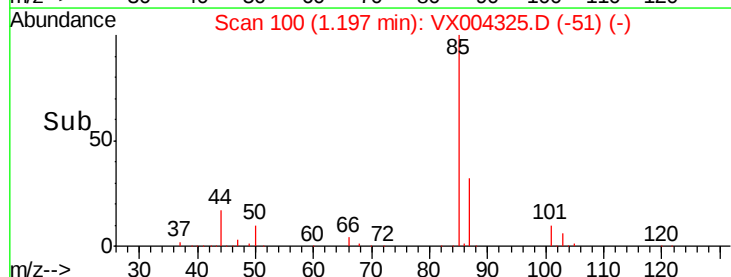
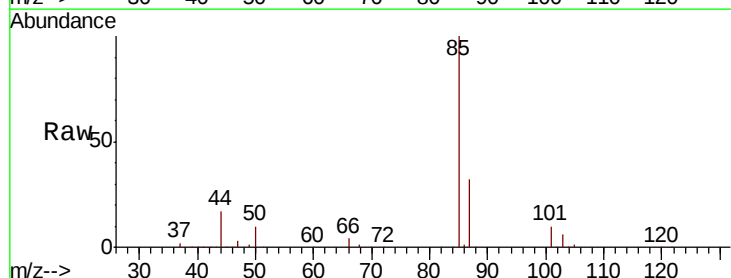
Acq: 30 Aug 2018 18:13

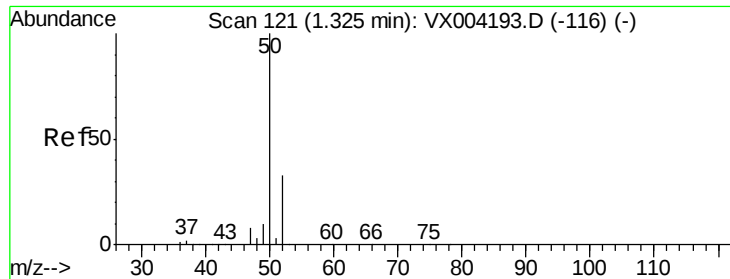
Tgt Ion: 85 Resp: 71773

Ion Ratio Lower Upper

85 100

87 32.3 17.0 50.9





#3

Chloromethane

Concen: 19.86 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampled :

VX0830WBSD01

Tot Ion: 50 Resp: 78498

Ion Ratio Lower Upper

50 100

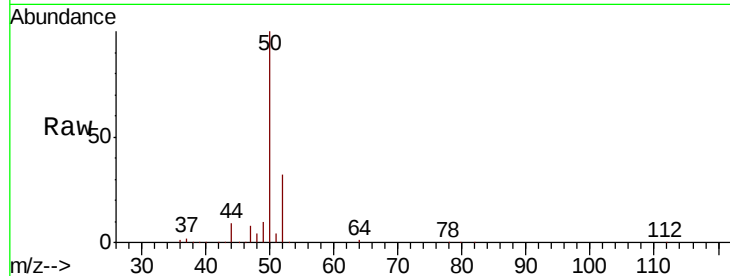
52 32.2 26.2 39.2

Manual Integrations

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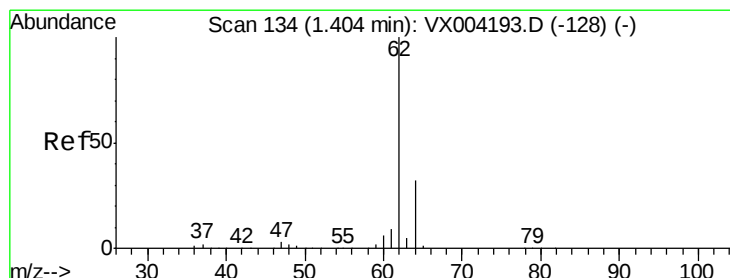
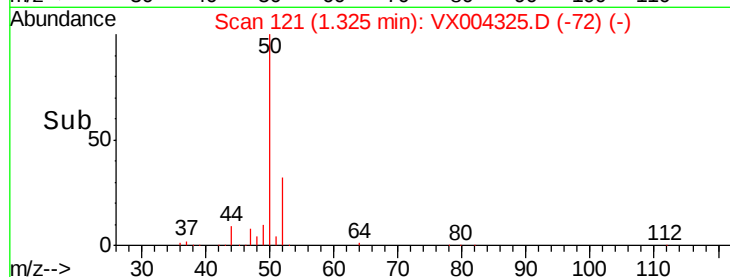
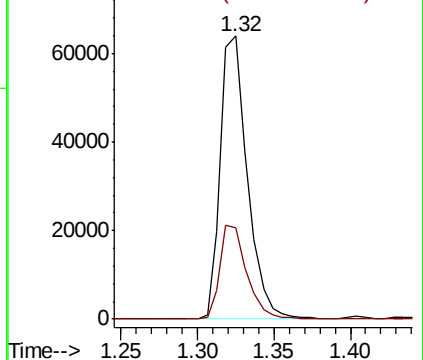
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004325.D

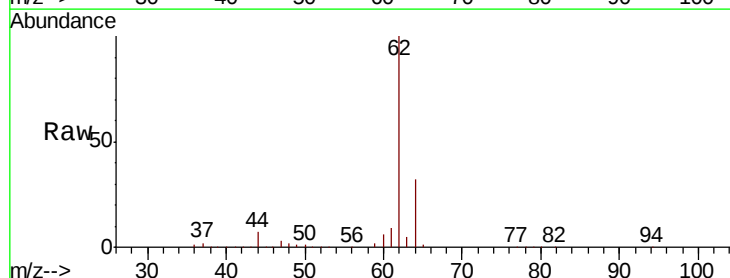
Acq: 30 Aug 2018 18:13

Tgt Ion: 62 Resp: 82088

Ion Ratio Lower Upper

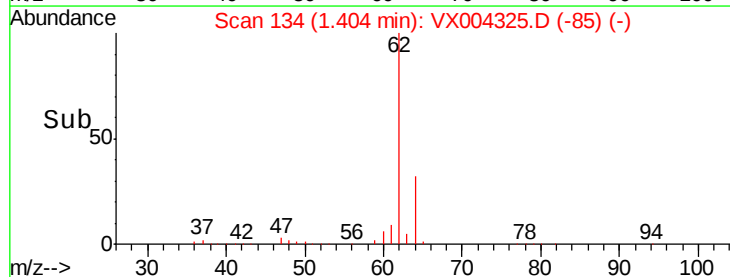
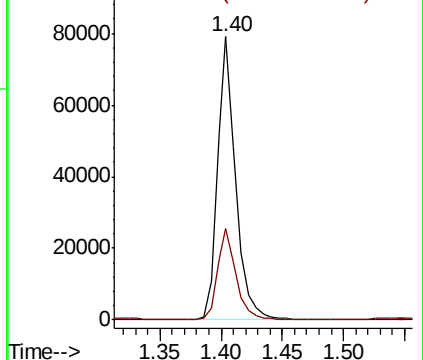
62 100

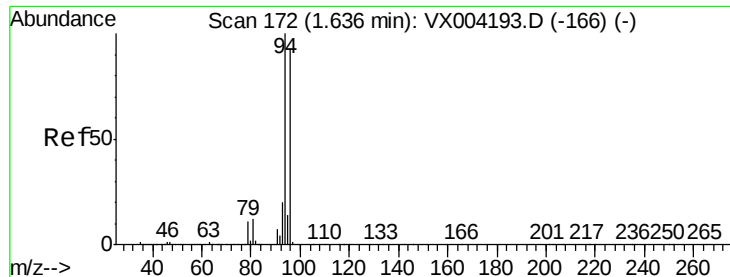
64 32.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.11 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion: 94 Resp: 42897

Ion Ratio Lower Upper

94 100

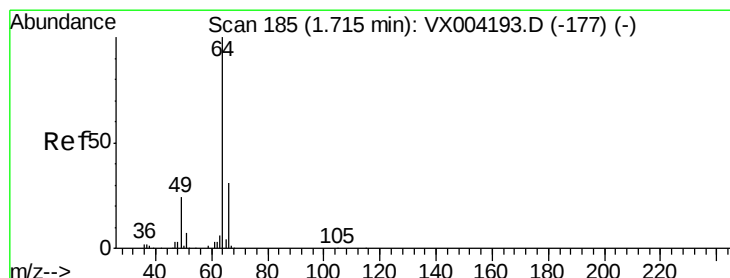
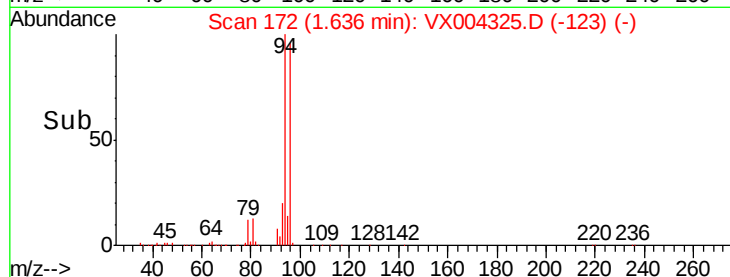
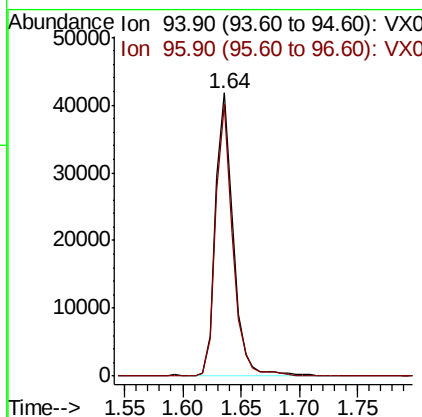
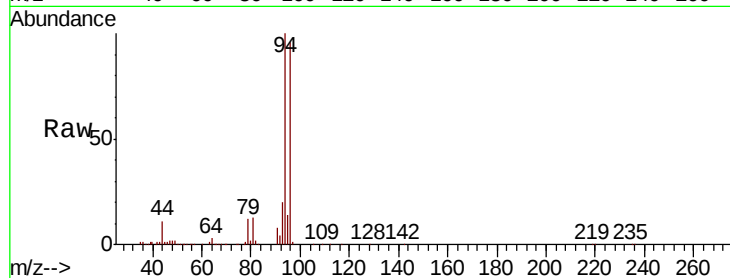
96 95.9 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 18.36 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004325.D

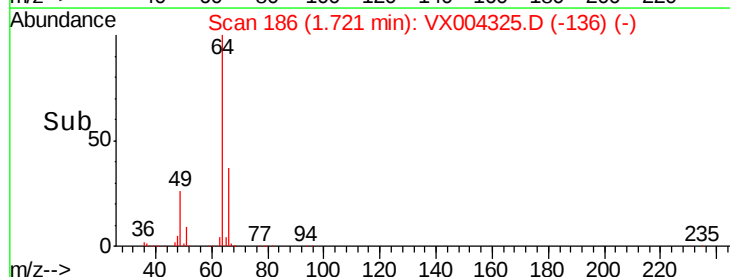
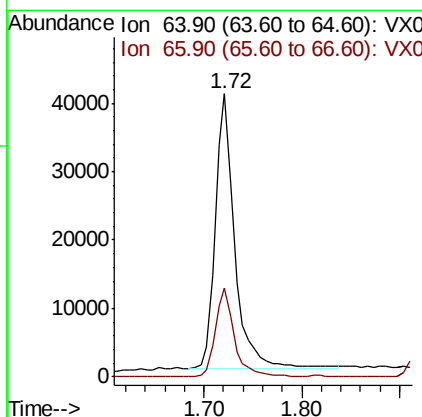
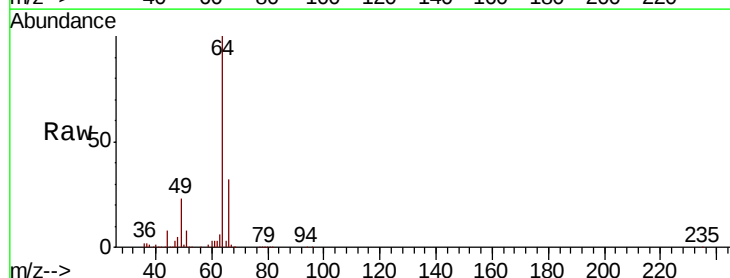
Acq: 30 Aug 2018 18:13

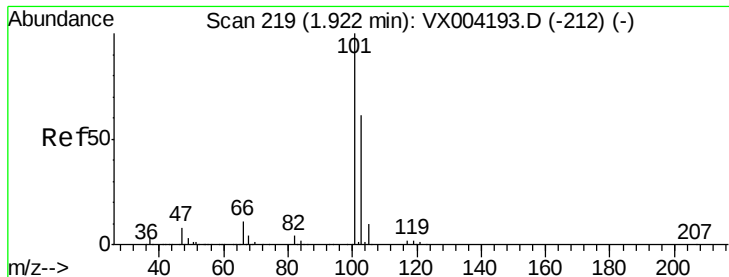
Tgt Ion: 64 Resp: 55291

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8





#7

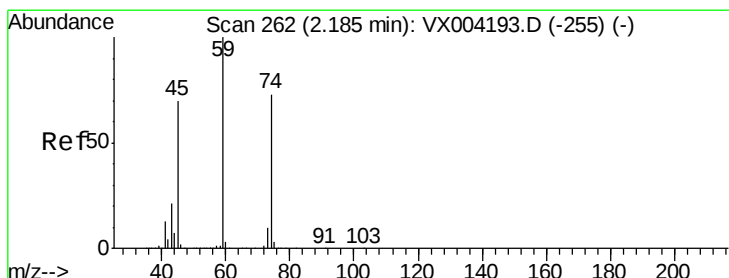
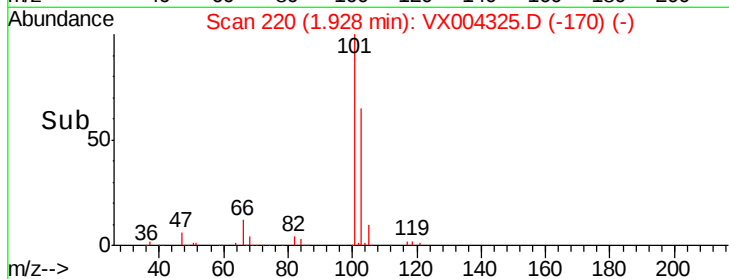
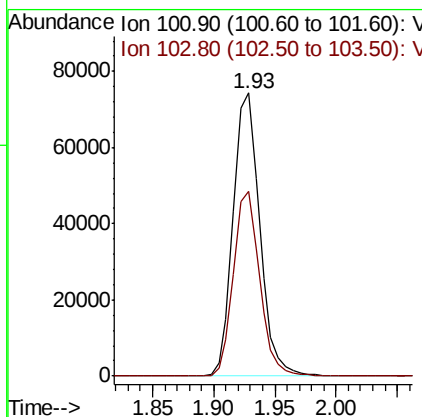
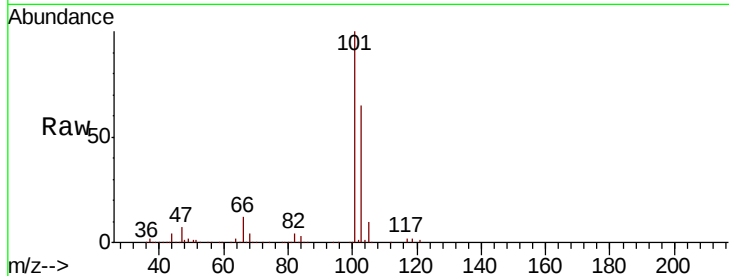
Trichlorofluoromethane
 Concen: 19.96 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
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 ClientSampleId :
 VX0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	111631		
103	65.3	48.9	73.3	

Manual Integrations
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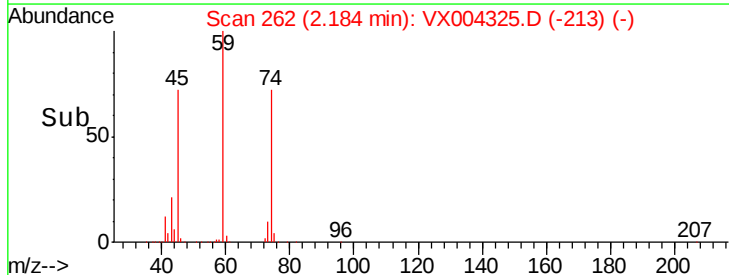
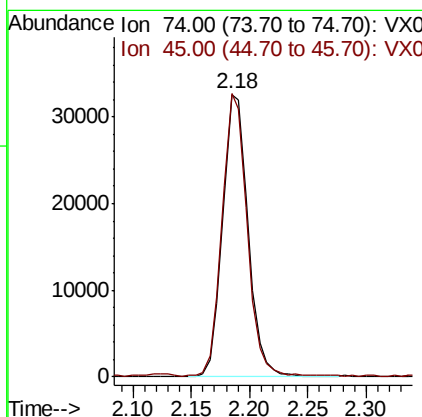
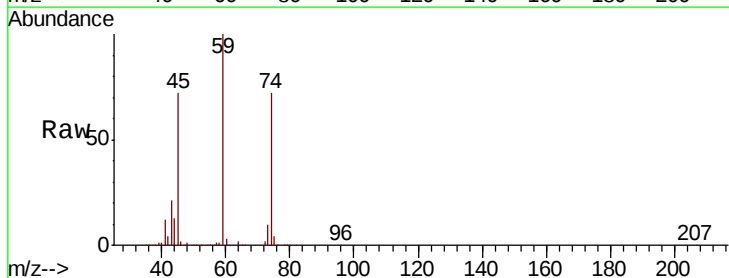
MMDadoda
 8/31/2018 4:30:21 PM

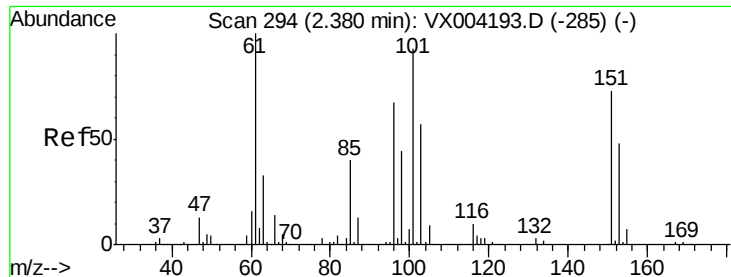


#8

Diethyl Ether
 Concen: 20.59 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49305		
45	97.5	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.84 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

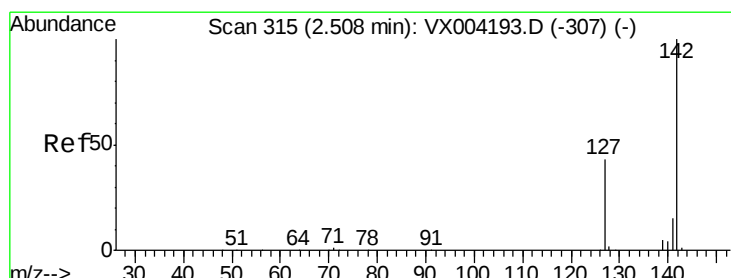
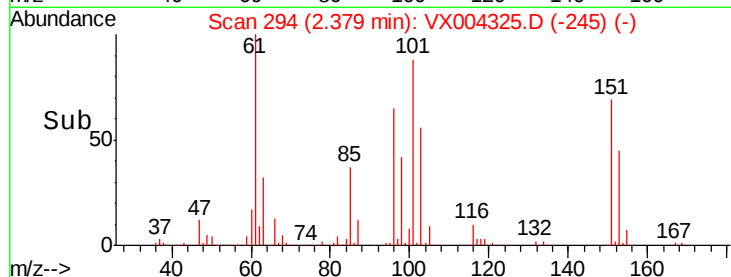
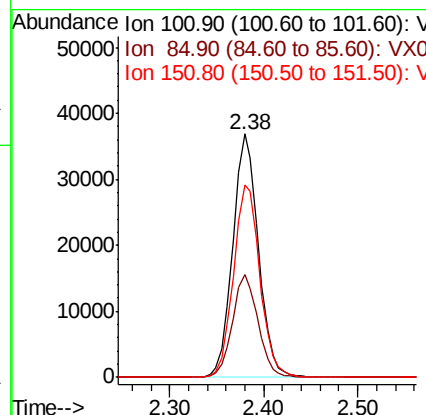
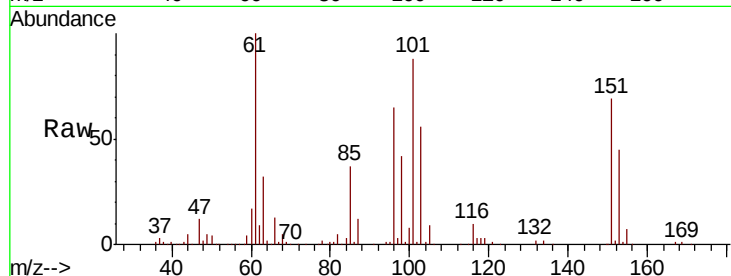
ClientSampleId :

VX0830WBSD01

Tot Ion:	101	Resp:	69491
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.4
151	81.4	65.0	97.6

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#10

Methyl Iodide

Concen: 20.26 ug/l

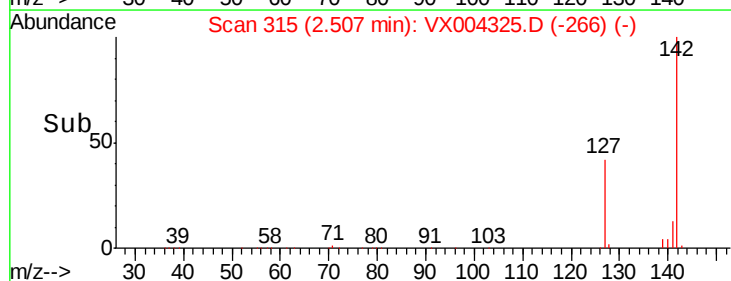
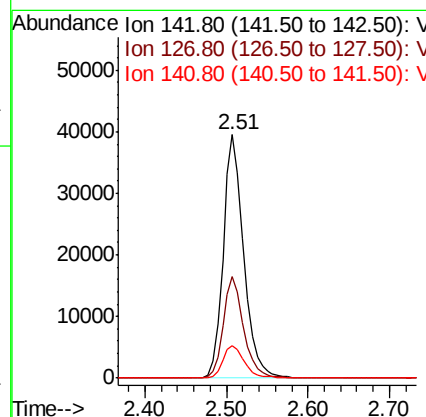
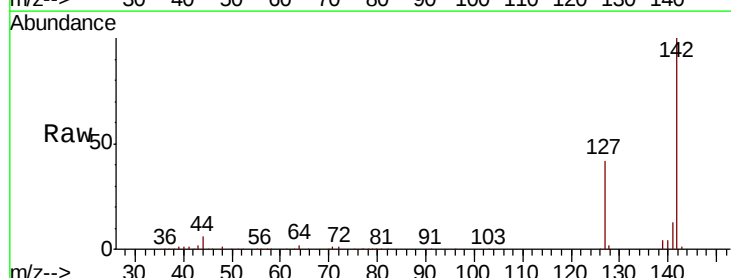
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Tgt Ion:	142	Resp:	69108
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.8	50.6
141	14.0	11.4	17.0





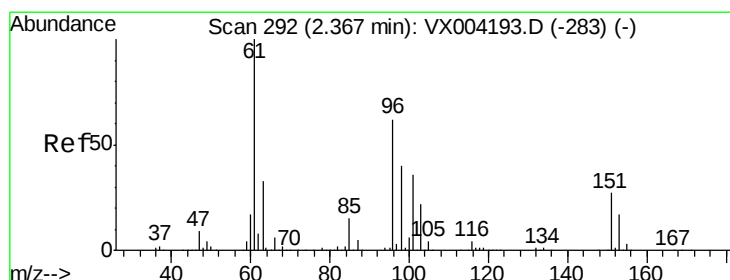
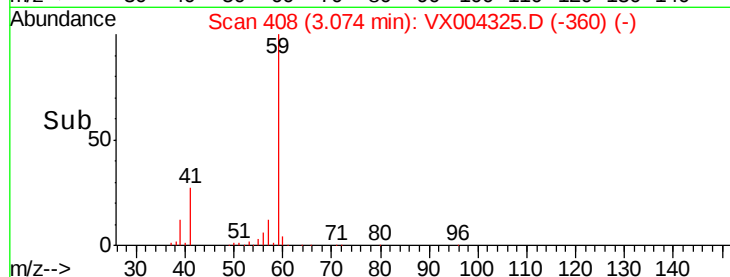
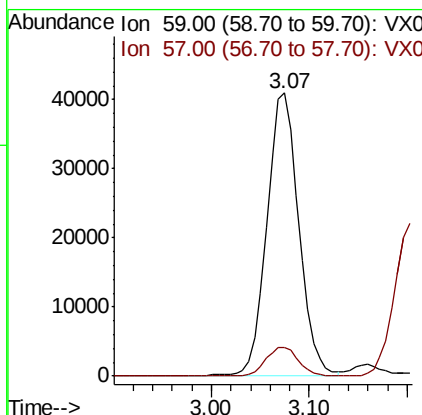
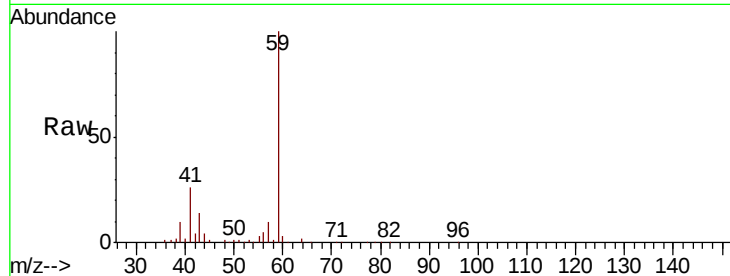
#11
Tert butyl alcohol
Concen: 107.72 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

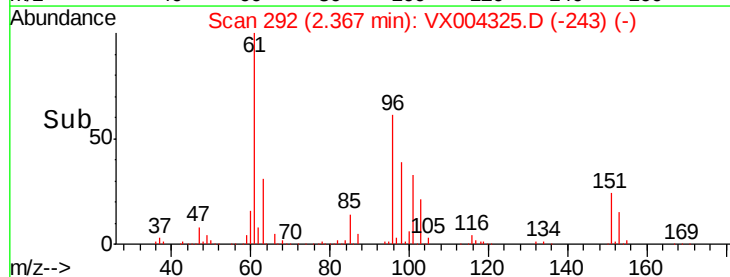
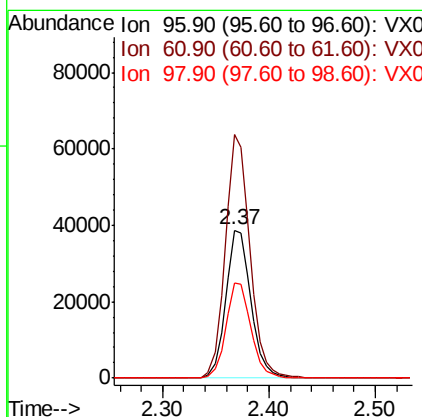
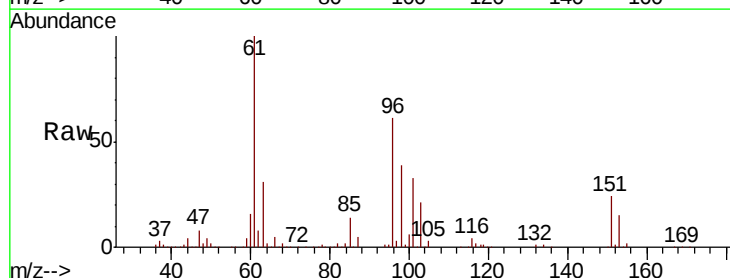
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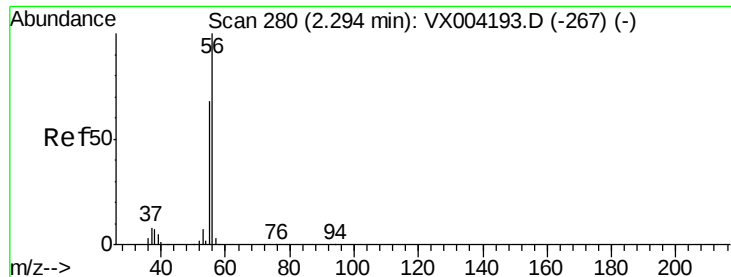
MMDadoda
8/31/2018 4:30:21 PM



#12
1,1-Dichloroethene
Concen: 19.36 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	128.8	193.2
98	64.1	52.2	78.2





#13

Acrolein

Concen: 364.57 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion: 56 Resp: 76066

Ion Ratio Lower Upper

56 100

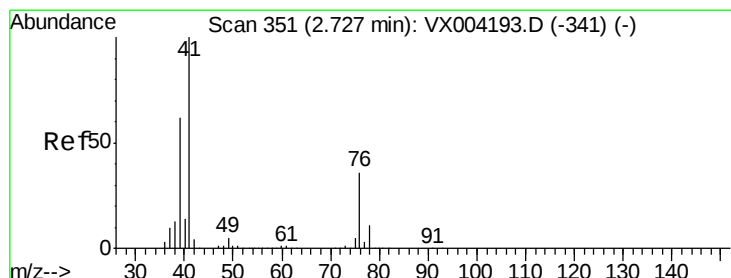
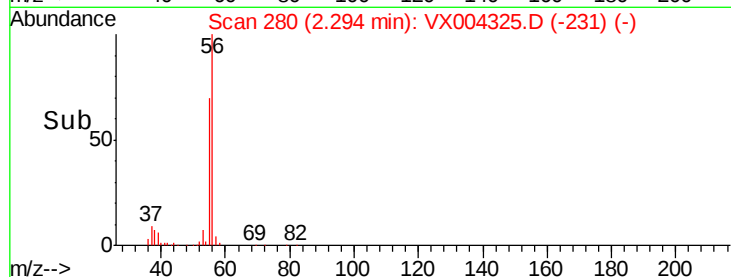
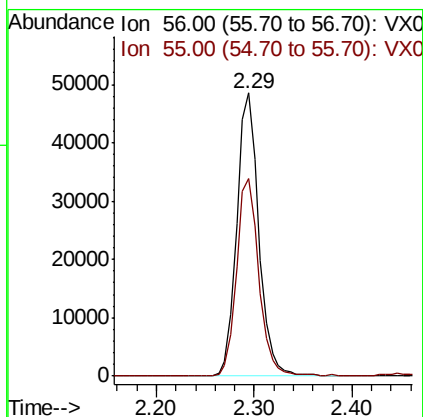
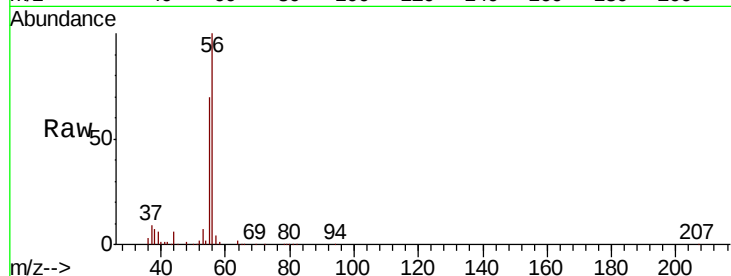
55 71.0 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.83 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

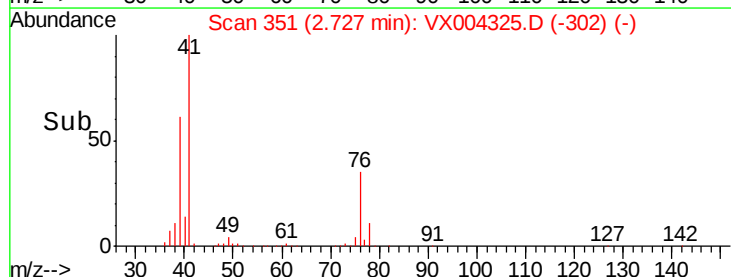
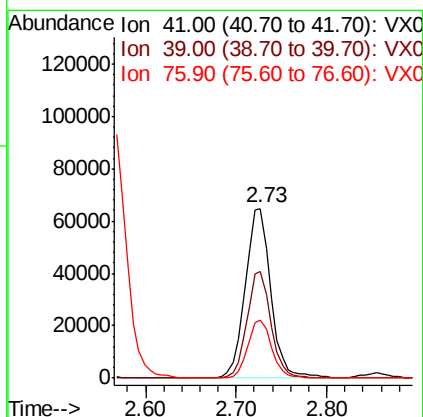
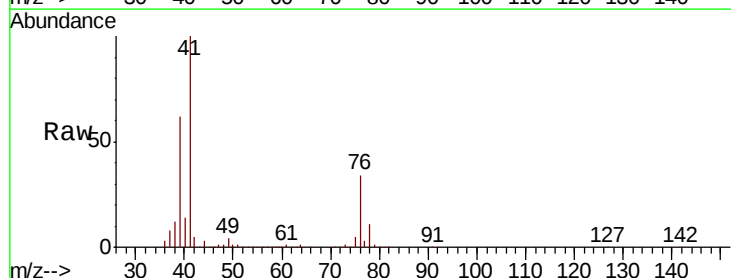
Tgt Ion: 41 Resp: 126261

Ion Ratio Lower Upper

41 100

39 58.8 48.9 73.3

76 32.1 26.7 40.1





#15

Acrylonitrile

Concen: 103.65 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

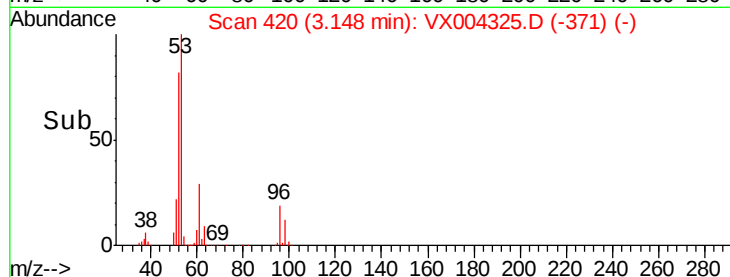
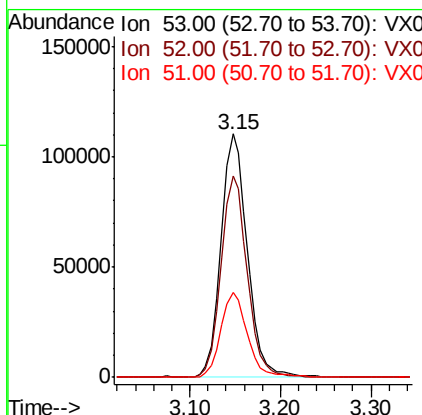
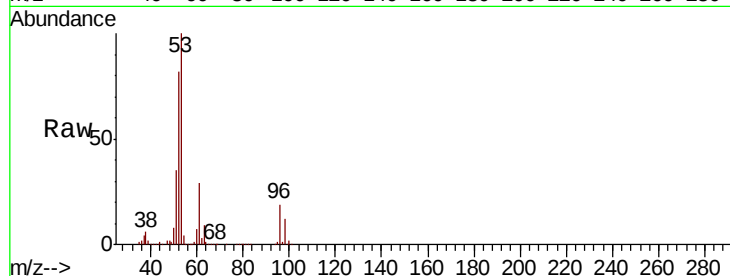
ClientSampleId :

VX0830WBSD01

Tot Ion:	53	Resp:	222152
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 112.18 ug/l

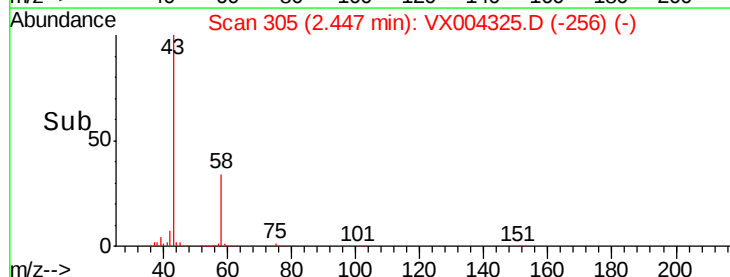
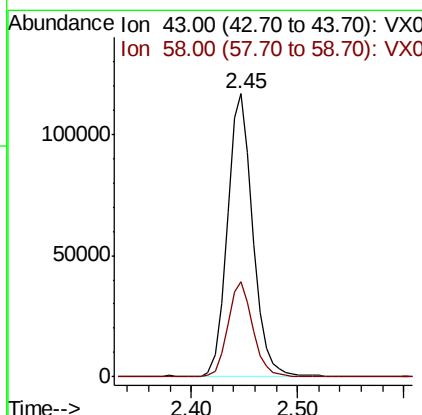
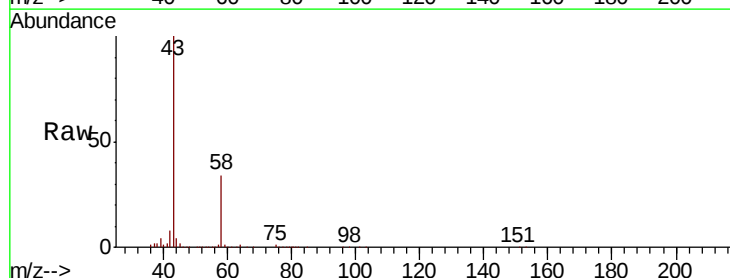
RT: 2.45 min Scan# 305

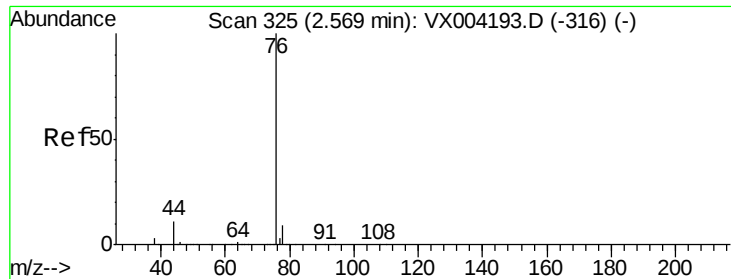
Delta R.T. 0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Tgt Ion:	43	Resp:	193302
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.2	39.4





#17

Carbon Disulfide

Concen: 18.11 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion: 76 Resp: 161254

Ion Ratio Lower Upper

76 100

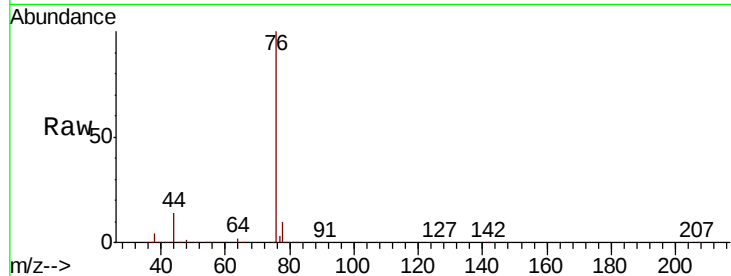
78 9.6 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

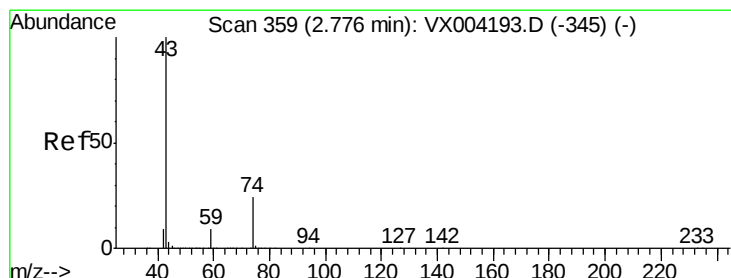
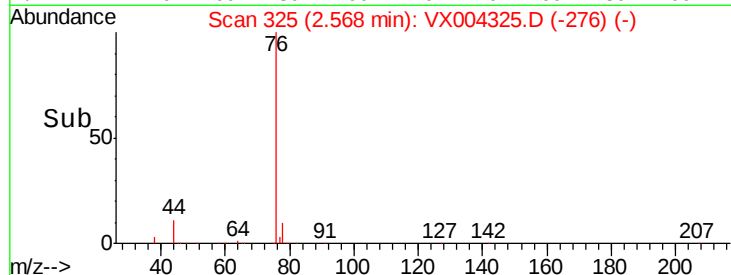
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 25.68 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004325.D

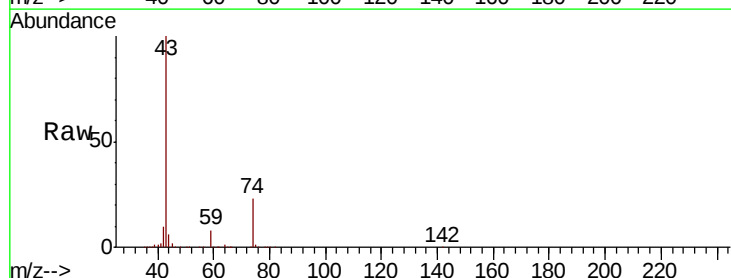
Acq: 30 Aug 2018 18:13

Tgt Ion: 43 Resp: 154744

Ion Ratio Lower Upper

43 100

74 24.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

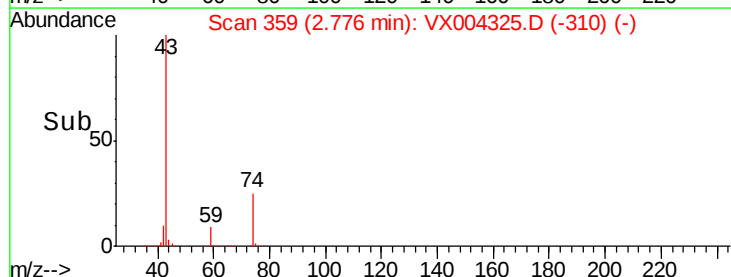
60000

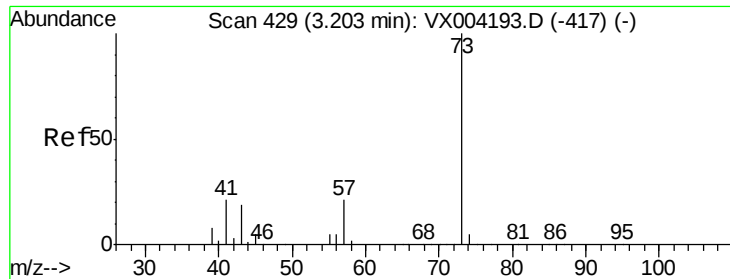
40000

20000

0

Time-->





#19

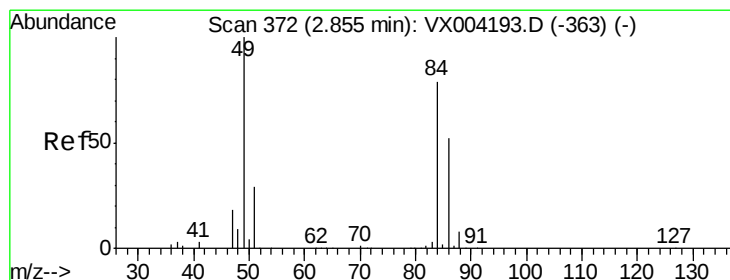
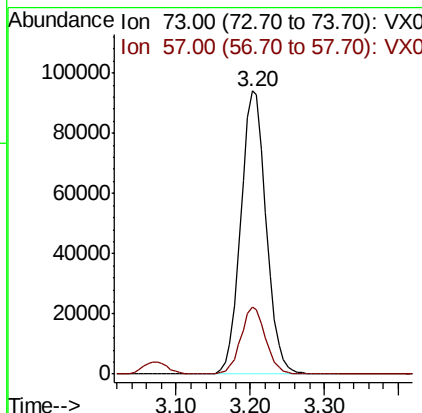
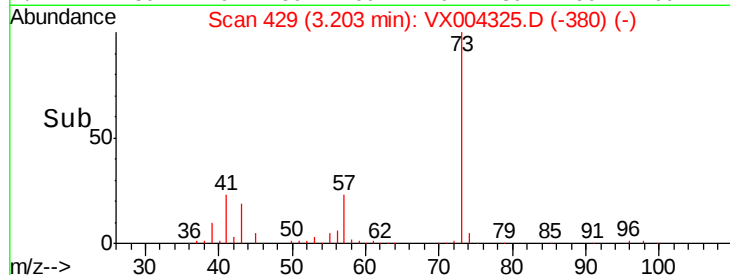
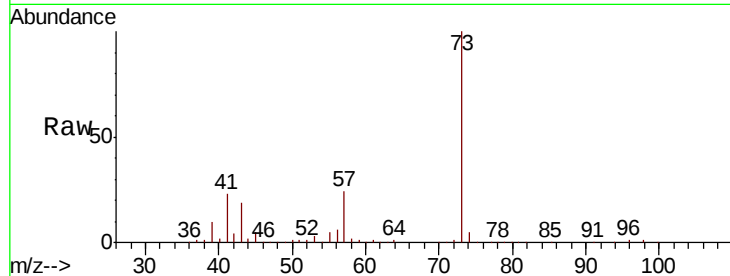
Methyl tert-butyl Ether
 Concen: 20.72 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.1	25.7

Manual Integrations
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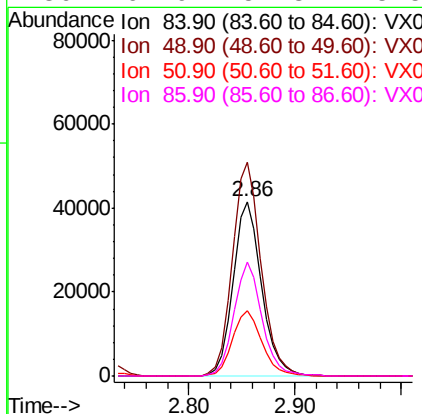
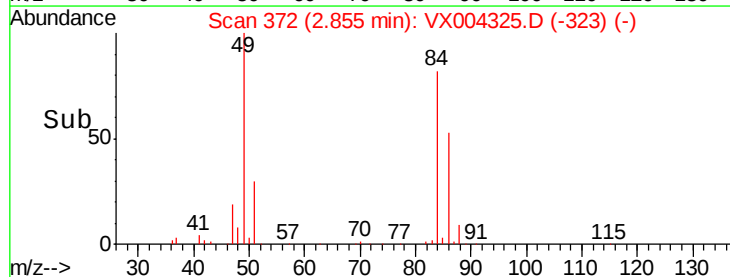
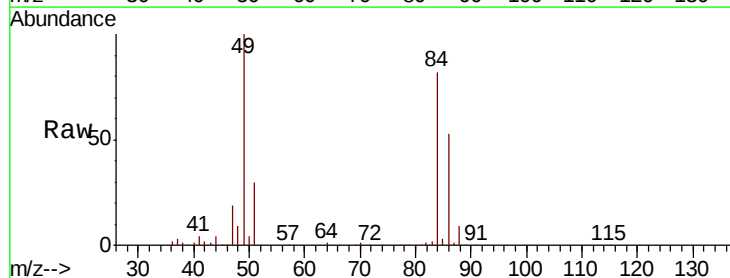
MMDadoda
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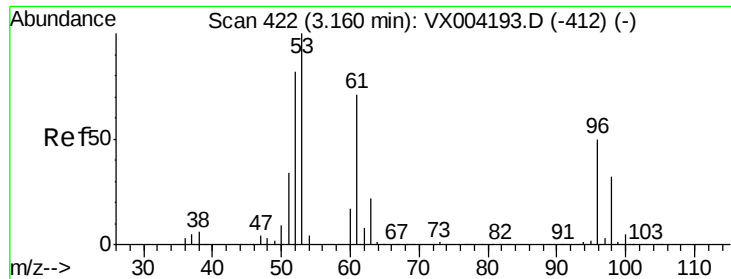


#20

Methylene Chloride
 Concen: 19.97 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	101.2	151.8
51	37.3	29.5	44.3
86	64.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.02 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion: 96 Resp: 69471

Ion Ratio Lower Upper

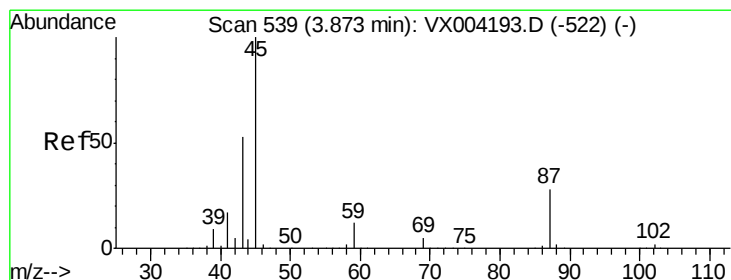
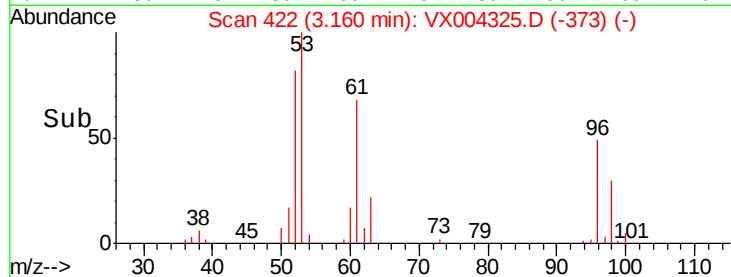
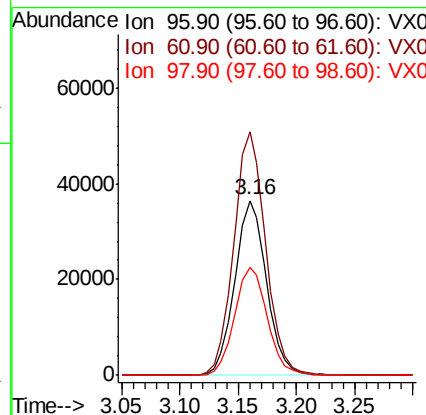
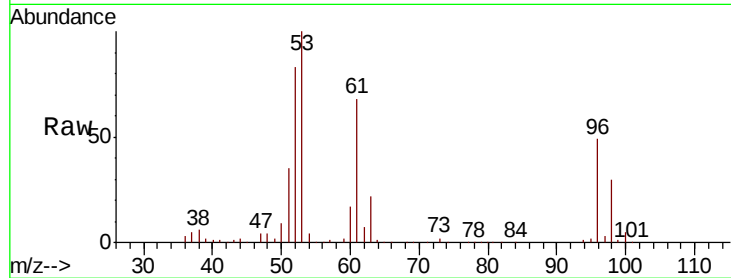
96 100

61 139.5 113.8 170.6

98 62.1 51.8 77.8

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#22

Diisopropyl ether

Concen: 20.68 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Tgt Ion: 45 Resp: 234073

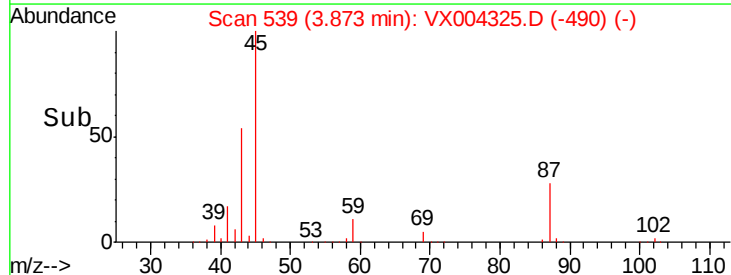
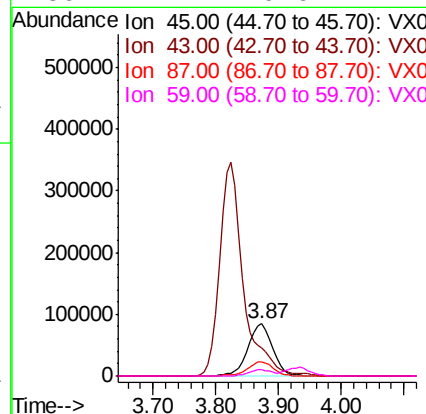
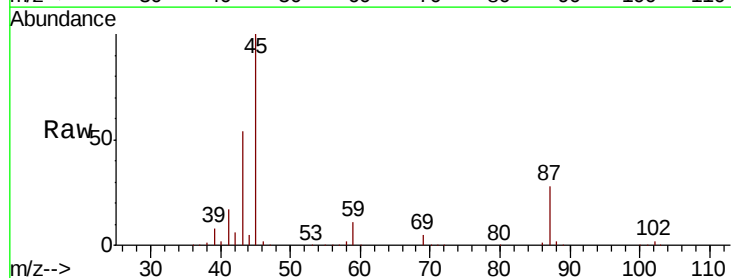
Ion Ratio Lower Upper

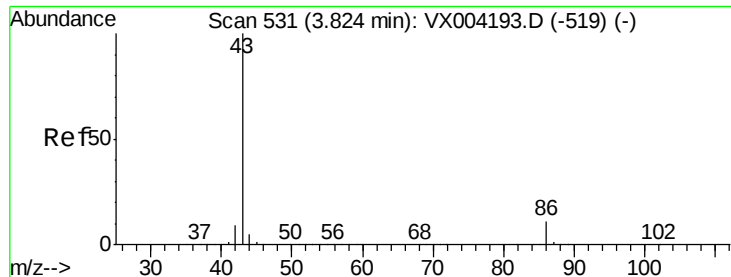
45 100

43 53.9 42.8 64.2

87 27.9 22.6 34.0

59 11.4 9.6 14.4





#23

Vinyl Acetate

Concen: 98.77 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion: 43 Resp: 906182

Ion Ratio Lower Upper

43 100

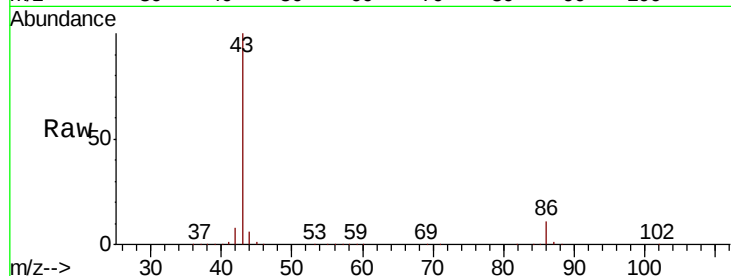
86 11.5 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

400000

300000

200000

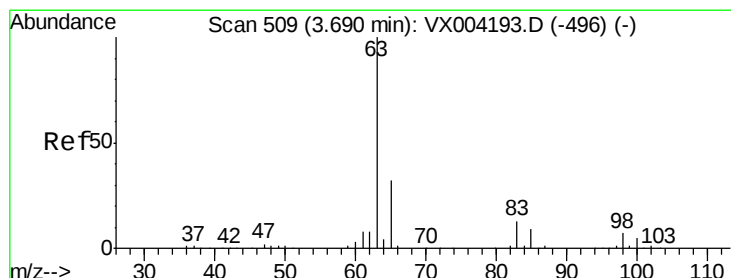
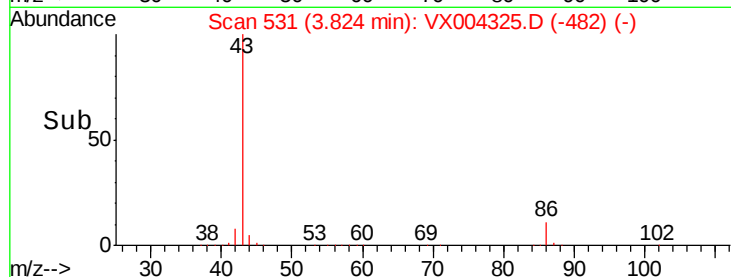
100000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.83 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

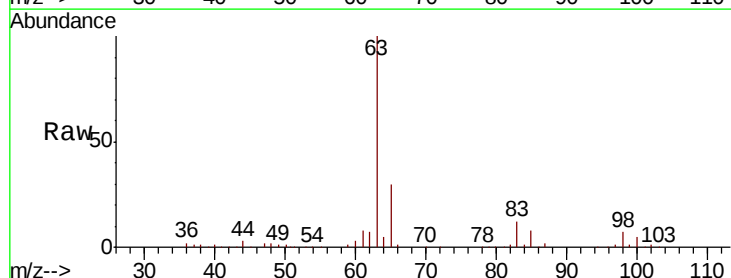
Tgt Ion: 63 Resp: 137415

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

60000

40000

20000

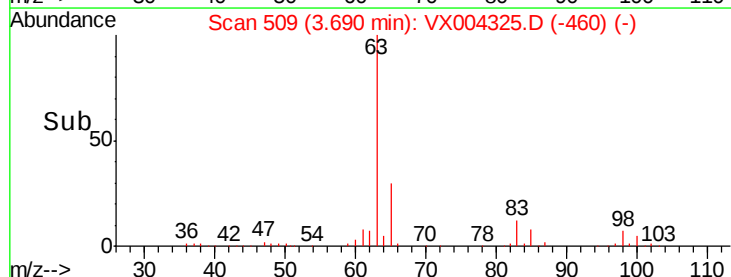
0

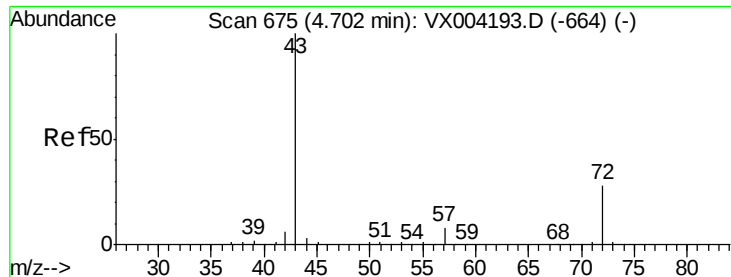
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 107.10 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion: 43 Resp: 295789

Ion Ratio Lower Upper

43 100

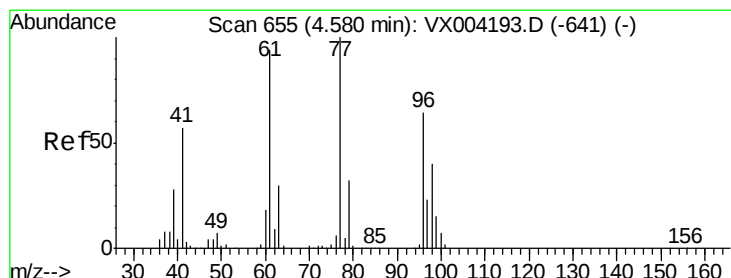
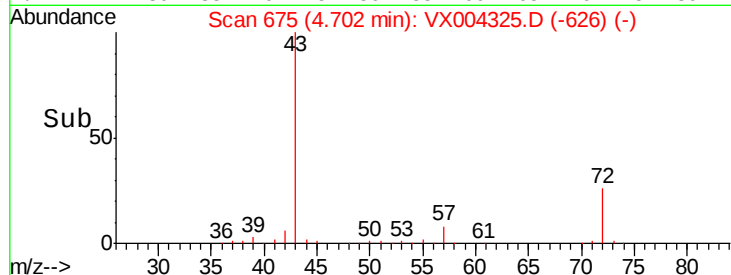
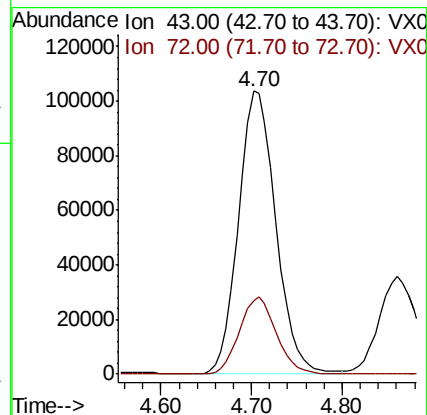
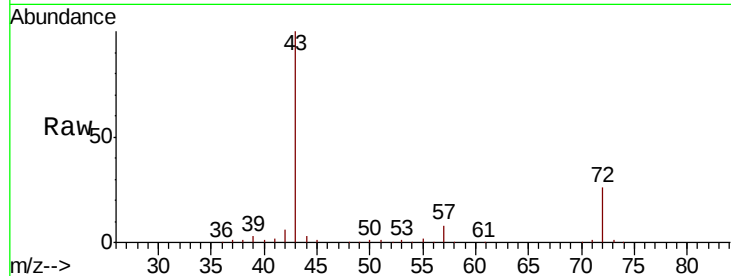
72 26.1 22.0 33.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.83 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004325.D

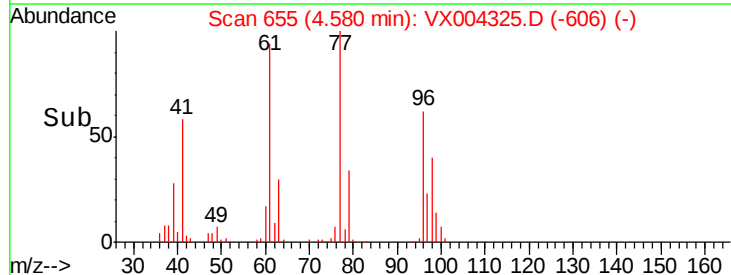
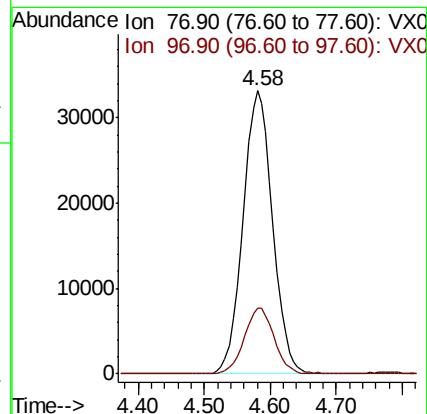
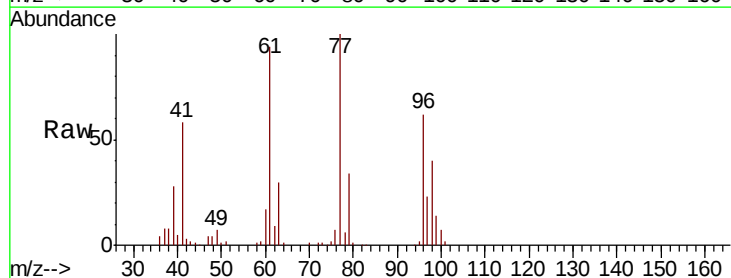
Acq: 30 Aug 2018 18:13

Tgt Ion: 77 Resp: 102599

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





#27

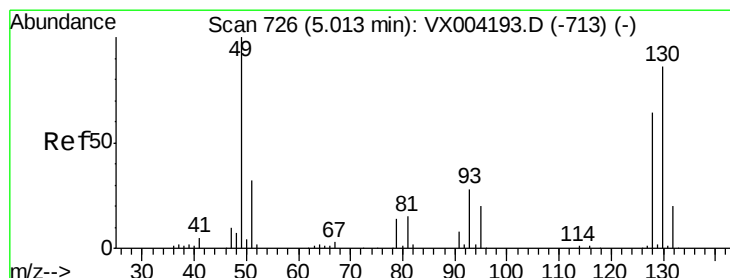
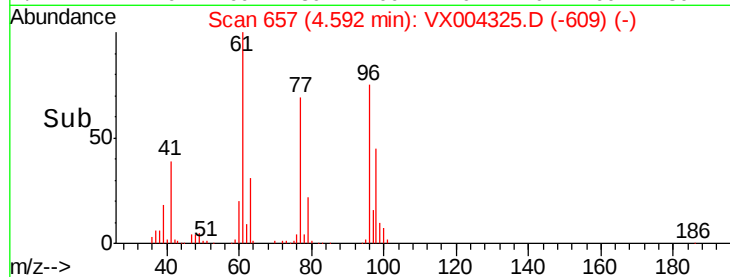
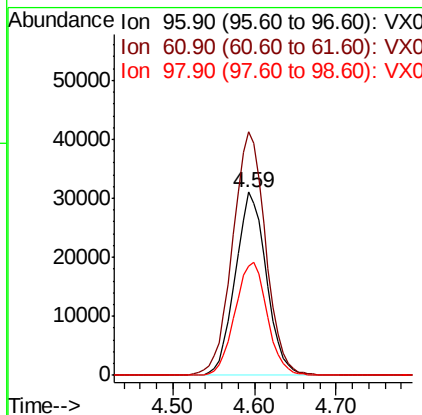
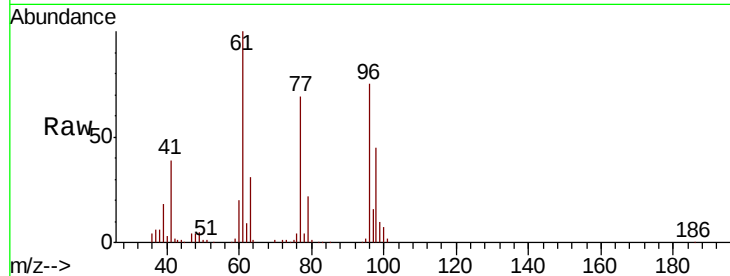
cis-1,2-Dichloroethene
 Concen: 19.84 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	82172		
61	140.6	0.0	282.6	
98	64.0	0.0	130.2	

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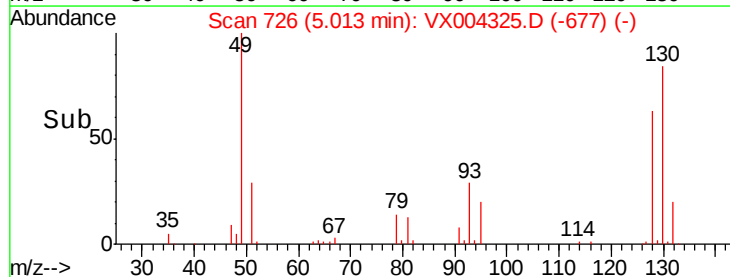
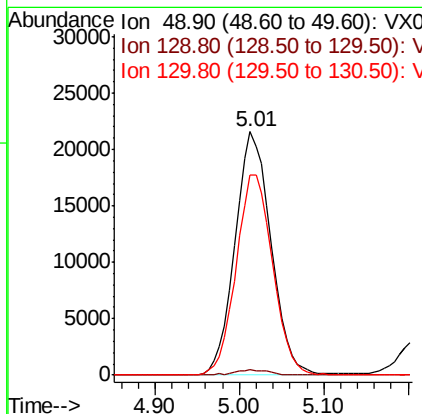
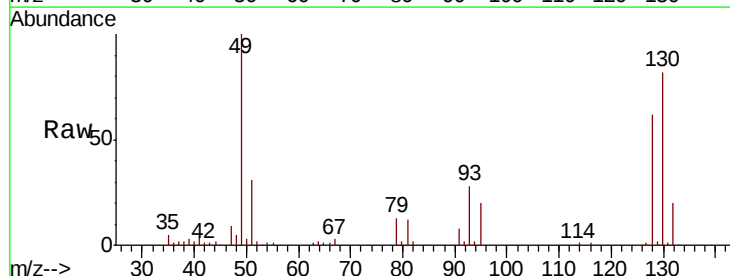
MMDadoda
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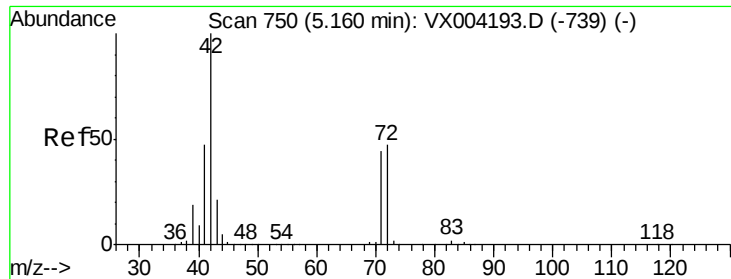


#28

Bromochloromethane
 Concen: 21.39 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	62471		
129	2.1	0.0	4.2	
130	83.4	67.5	101.3	





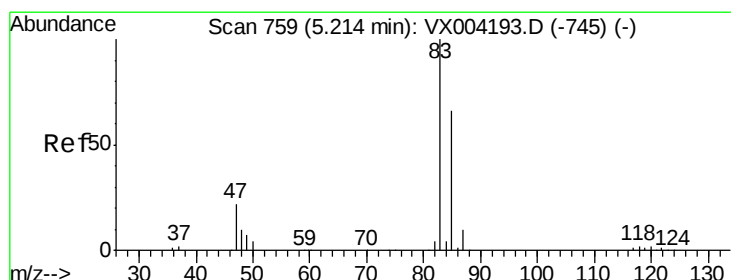
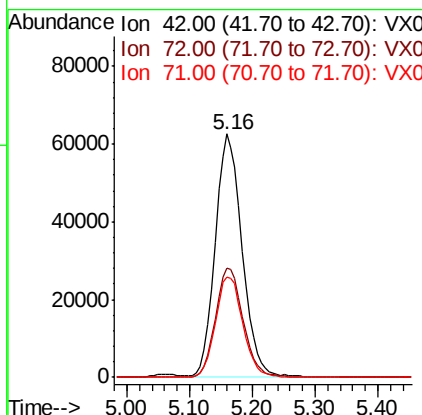
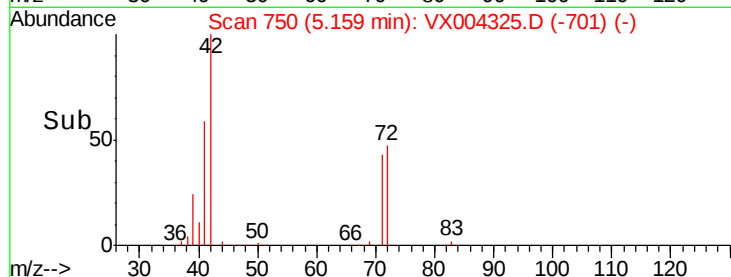
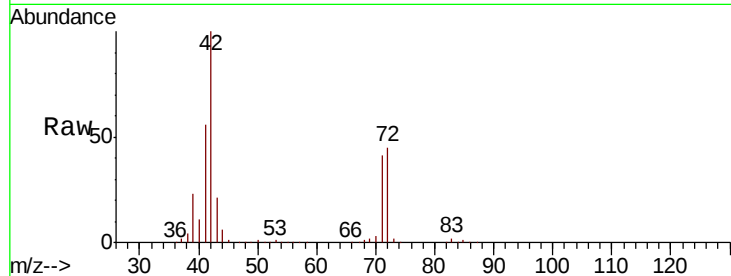
#29
Tetrahydrofuran
Concen: 105.63 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.4	56.0
71	42.6	34.5	51.7

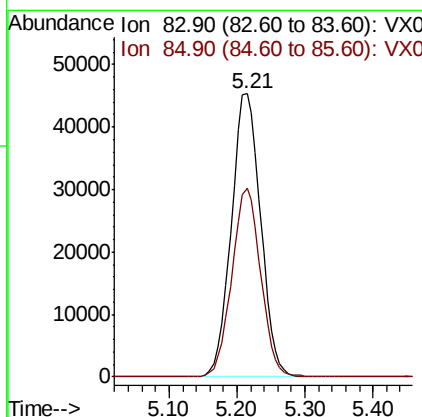
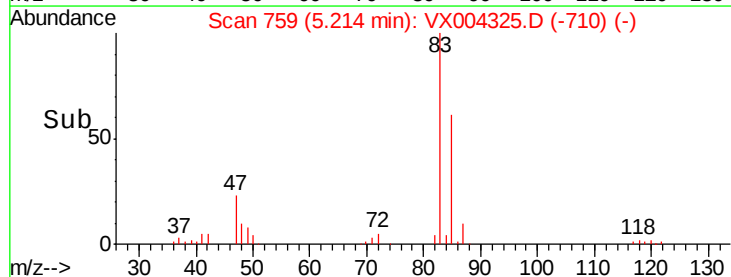
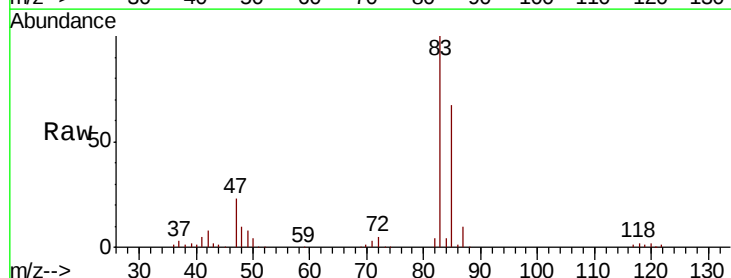
Manual Integrations
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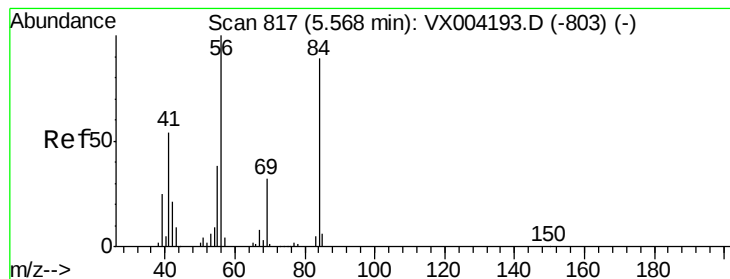
MMDadoda
8/31/2018 4:30:21 PM



#30
Chloroform
Concen: 20.50 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	79.0





#31

Cyclohexane

Concen: 19.26 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

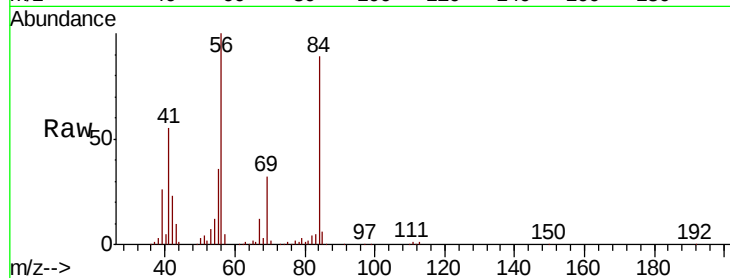
ClientSampleId :

VX0830WBSD01

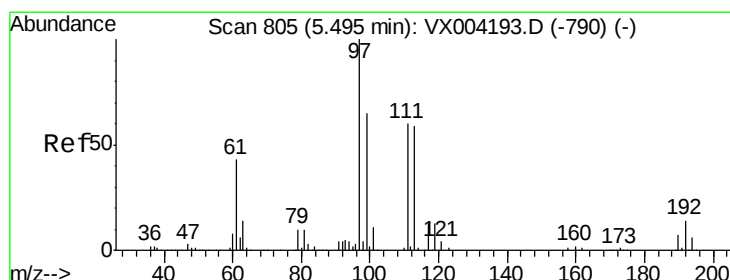
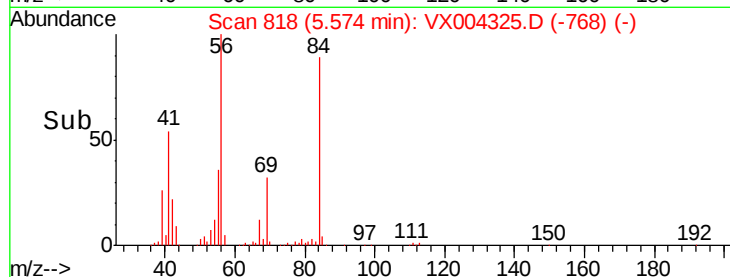
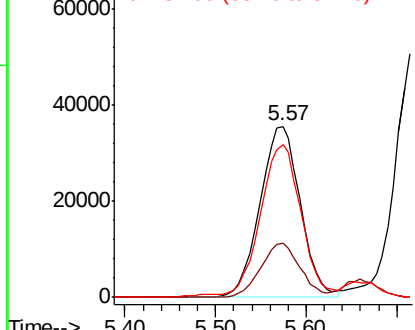
Tot Ion:	56	Resp:	109644
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.4	38.2
84	88.4	71.4	107.2

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



#32

1,1,1-Trichloroethane

Concen: 20.21 ug/l

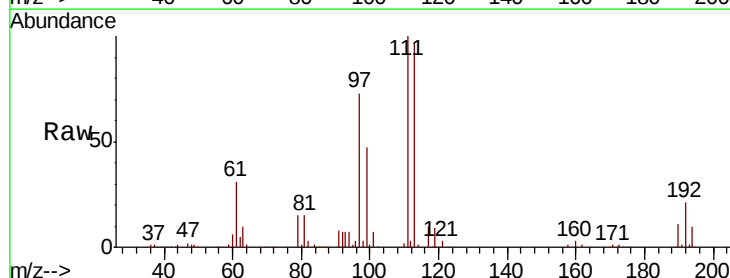
RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

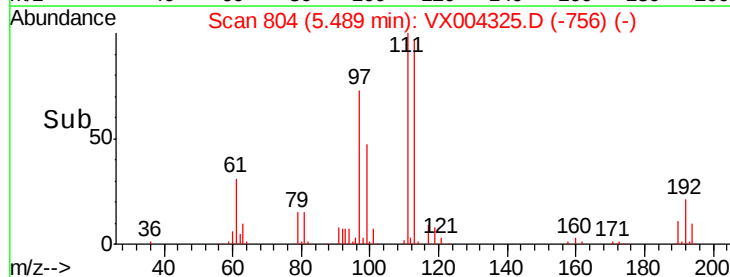
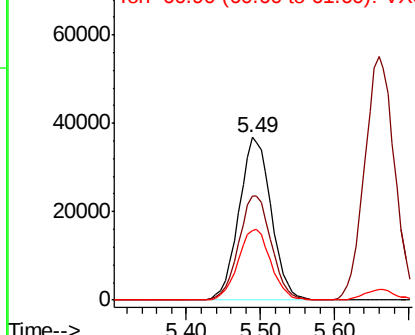
Lab File: VX004325.D

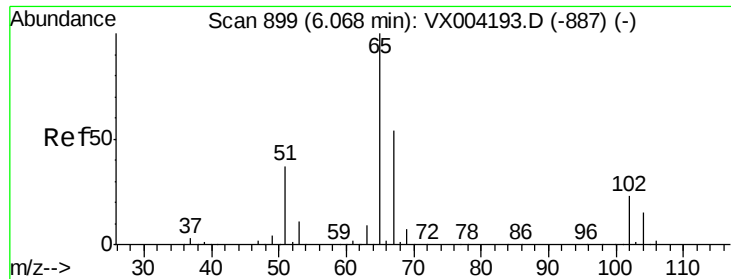
Acq: 30 Aug 2018 18:13

Tgt Ion:	97	Resp:	111478
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	44.4	34.9	52.3



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





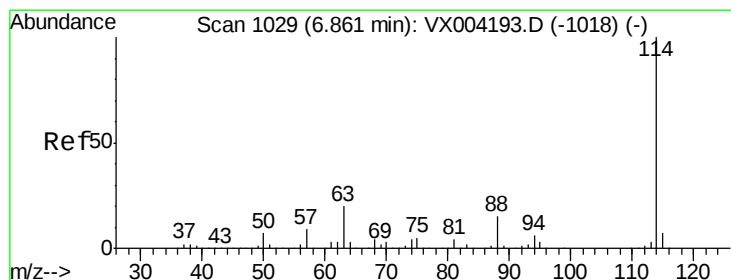
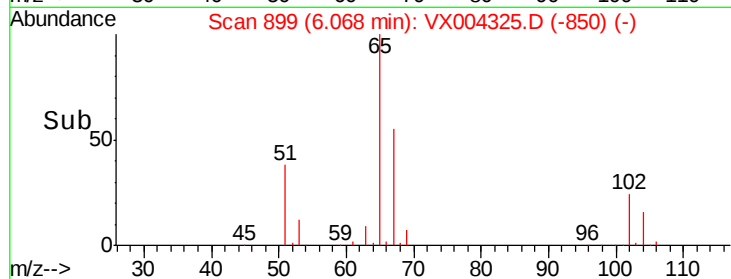
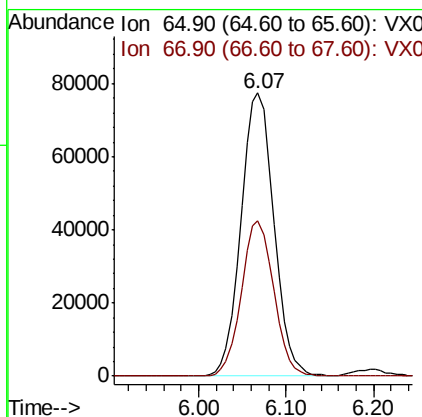
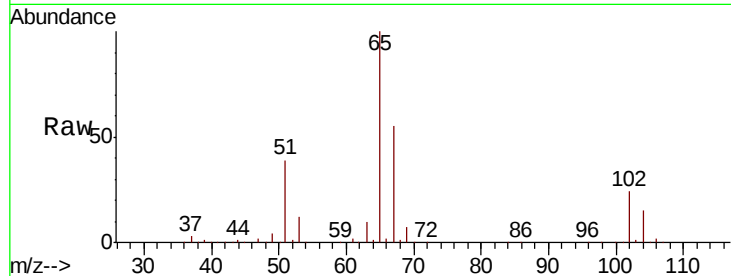
#33
 1,2-Dichloroethane-d4
 Concen: 49.90 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion: 65 Resp: 202577
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8

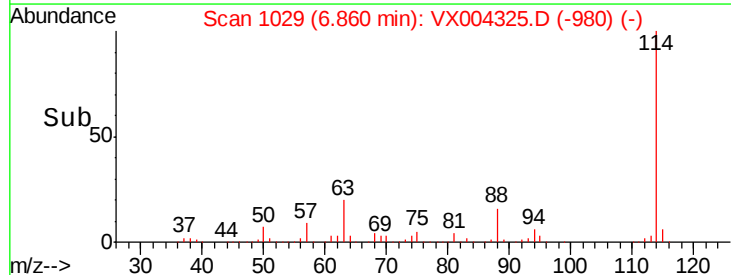
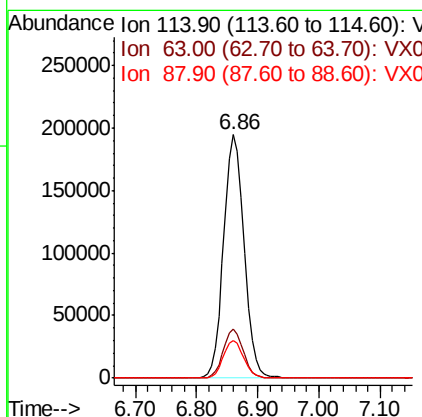
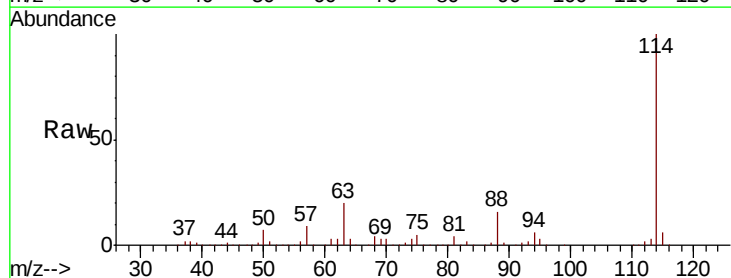
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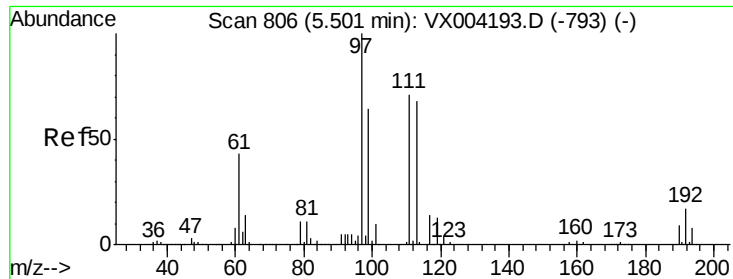
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion: 114 Resp: 451151
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.5 0.0 30.4





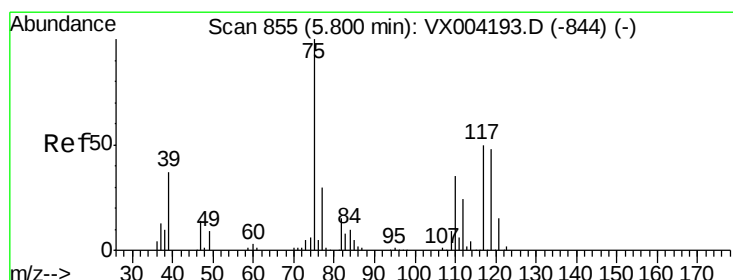
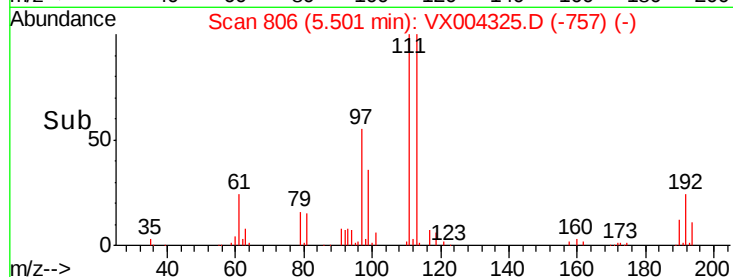
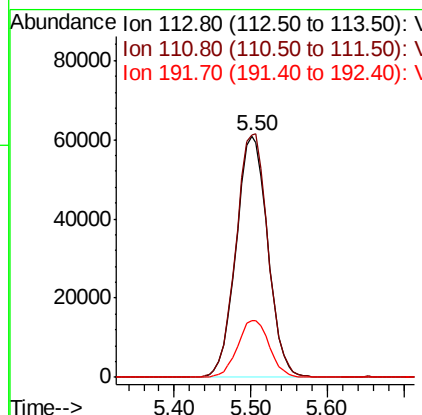
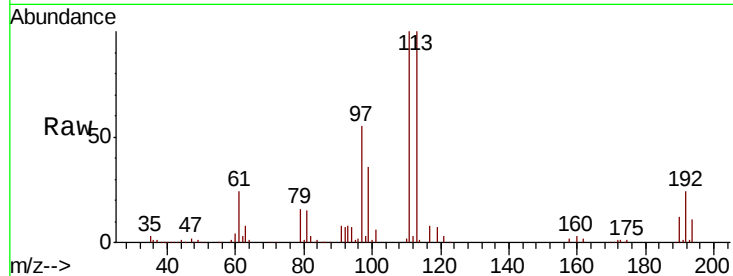
#35
Dibromofluoromethane
Concen: 51.93 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174275		
111	102.1	82.4	123.6	
192	23.9	19.4	29.2	

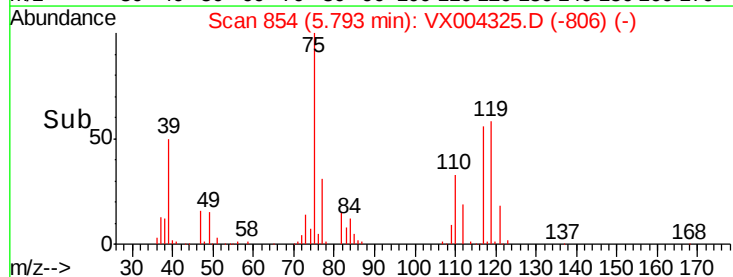
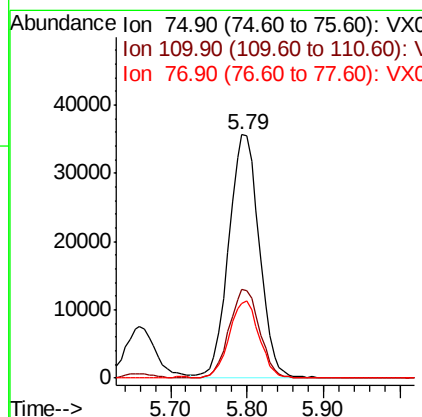
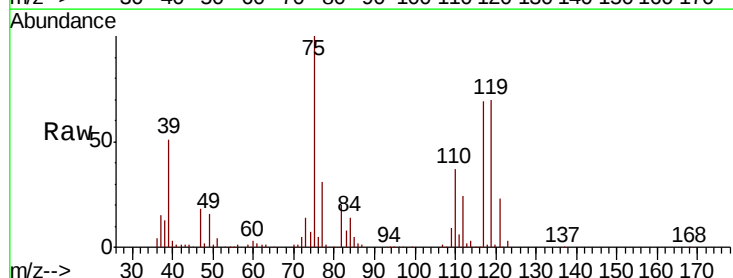
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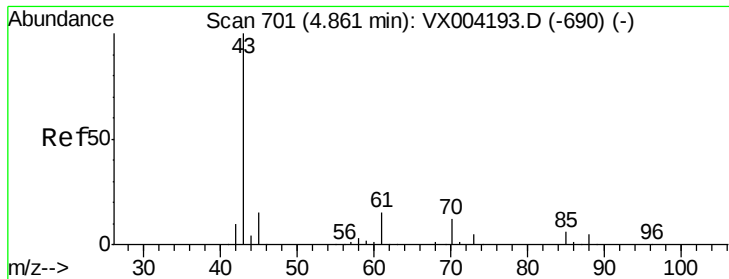
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#36
1,1-Dichloropropene
Concen: 19.53 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99039		
110	36.0	18.0	54.0	
77	30.9	24.6	36.8	





#37

Ethyl Acetate

Concen: 21.03 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

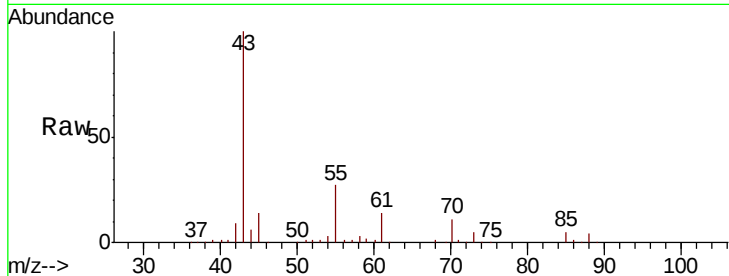
ClientSampleId :

VX0830WBSD01

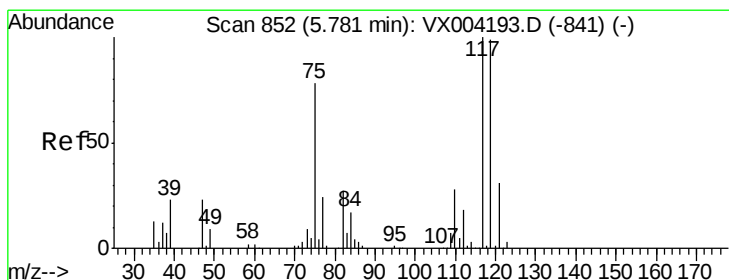
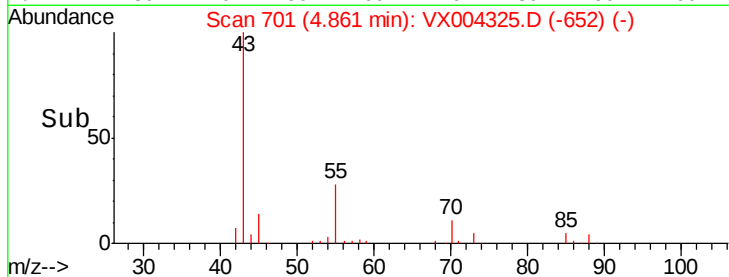
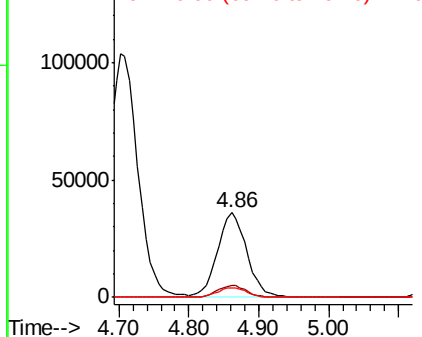
Tot Ion:	43	Resp:	104914
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.4	9.0	13.6

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



#38

Carbon Tetrachloride

Concen: 20.06 ug/l

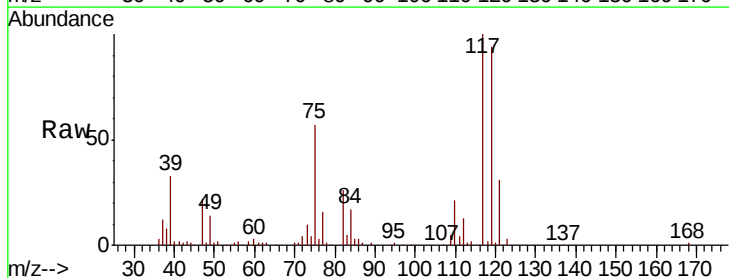
RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

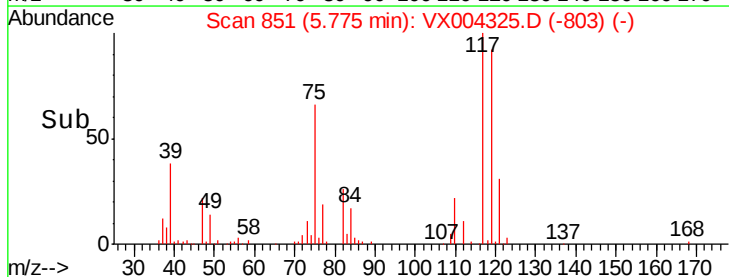
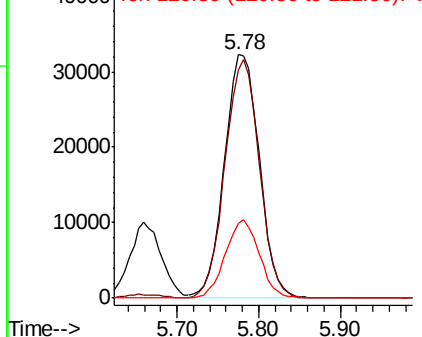
Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Tgt Ion:	117	Resp:	95709
Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.8	118.2
121	30.8	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





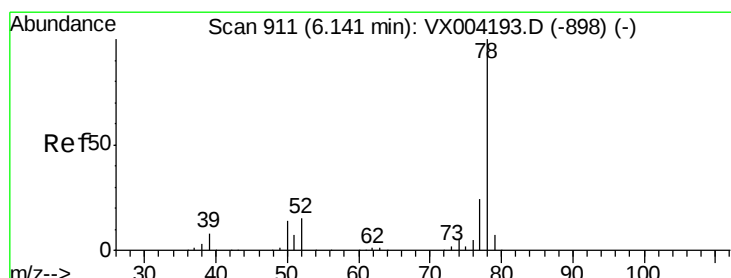
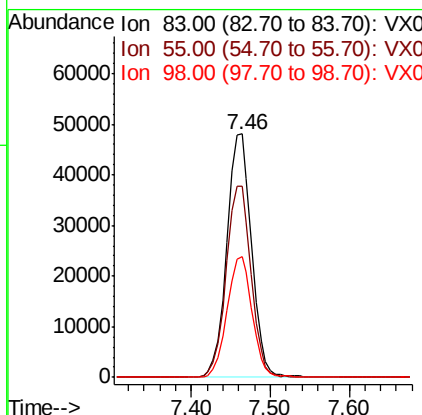
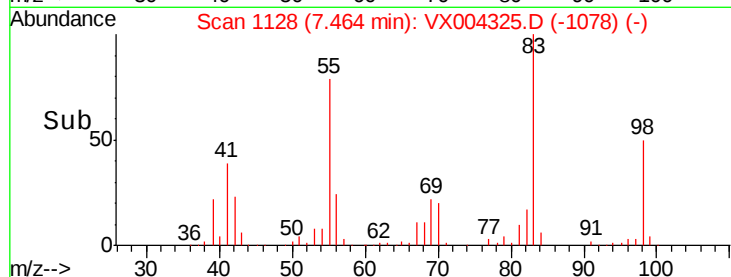
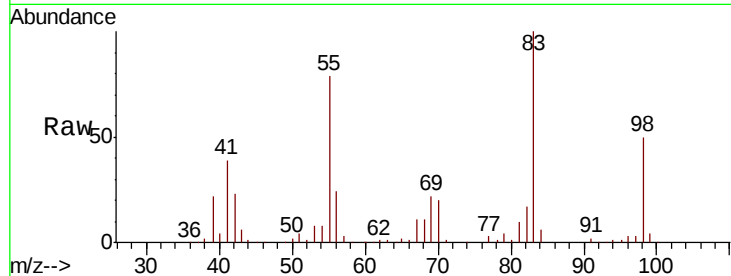
#39
Methvlcvclohexane
Concen: 18.16 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.6	61.0	91.4	
98	49.7	39.6	59.4	

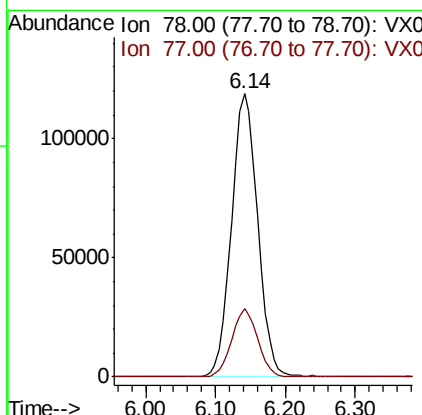
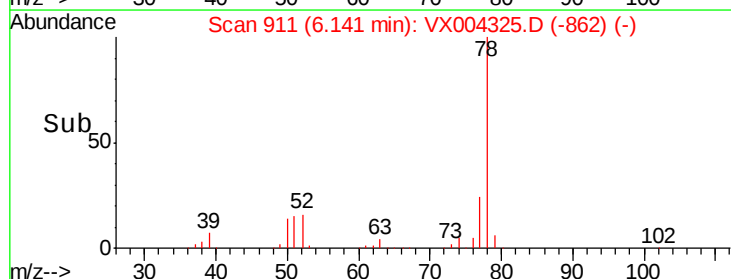
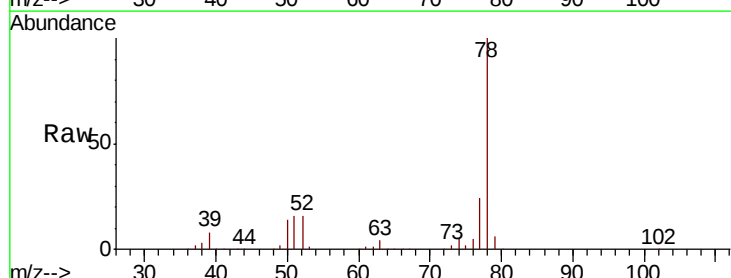
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#40
Benzene
Concen: 20.43 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.0	28.4	





#41

Methacrylonitrile

Concen: 21.13 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

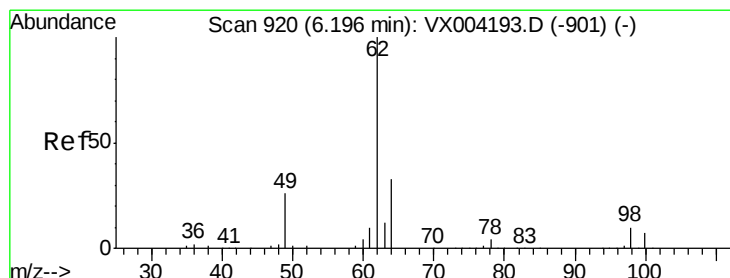
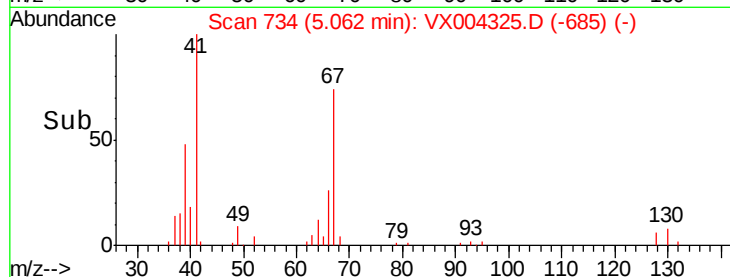
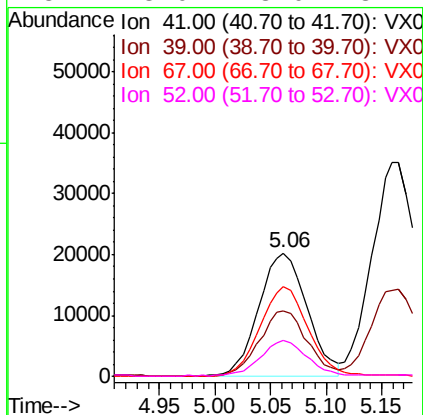
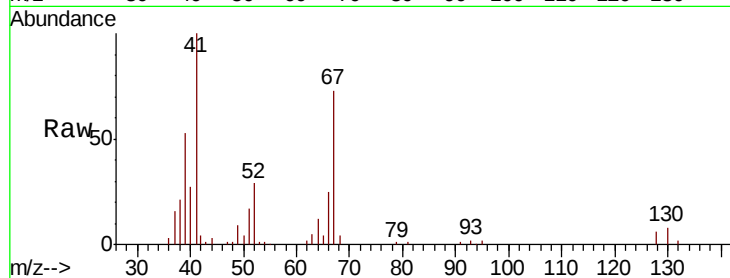
ClientSampleId :

VX0830WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.4	63.6	
67	73.2	59.2	88.8	
52	28.0	23.0	34.4	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.23 ug/l

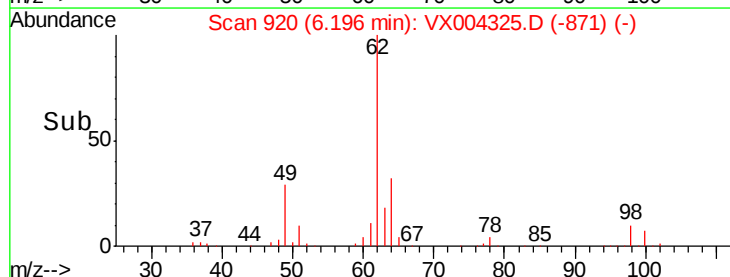
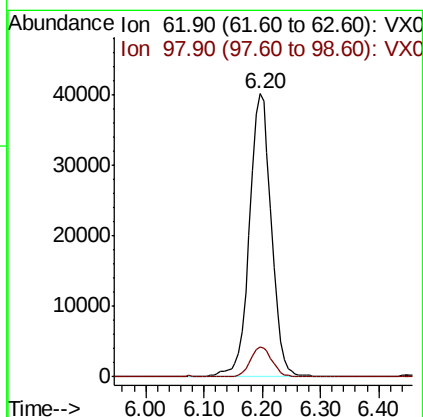
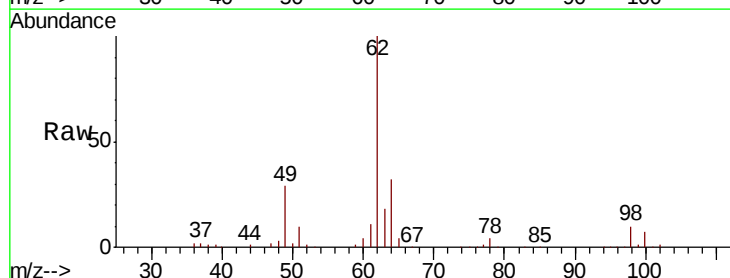
RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

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





#43

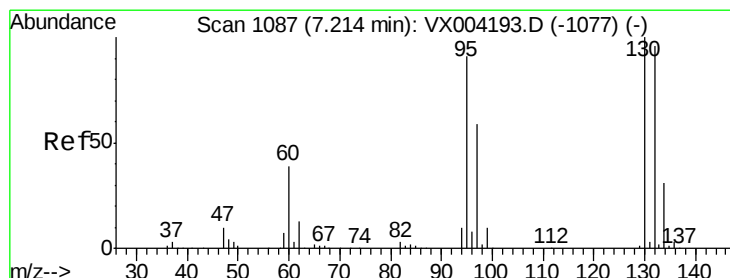
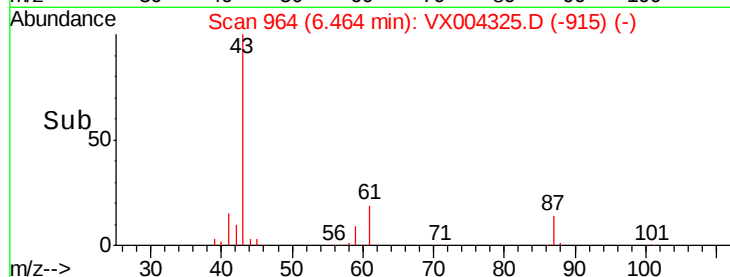
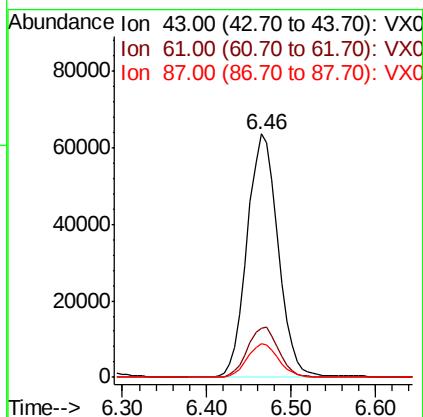
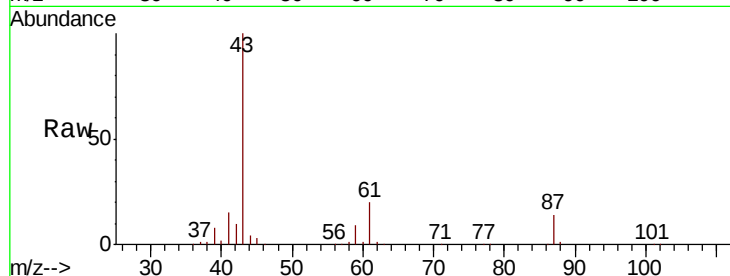
Isopropyl Acetate
 Concen: 20.68 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	14.0	11.4	17.2

Manual Integrations
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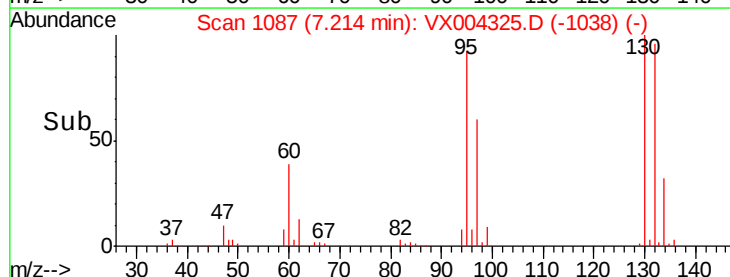
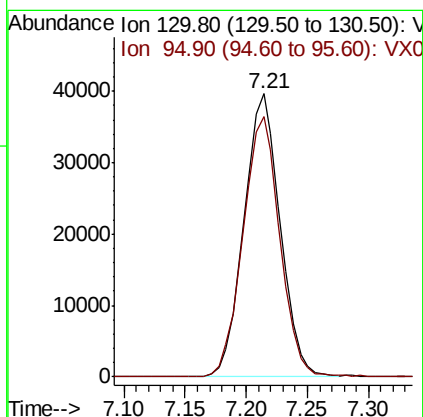
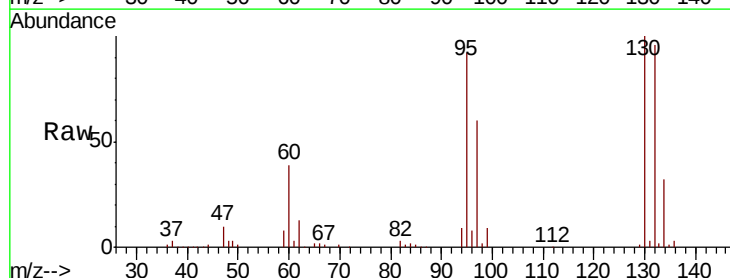
MMDadoda
 8/31/2018 4:30:21 PM

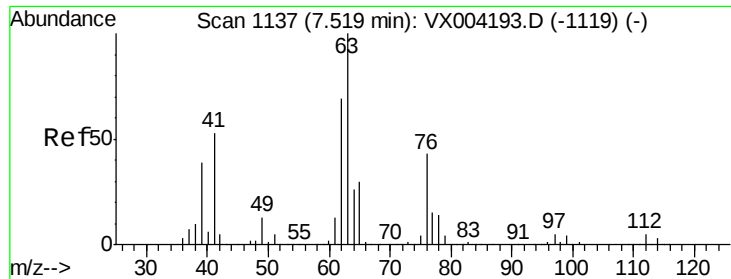


#44

Trichloroethene
 Concen: 19.50 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.99 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampled :

VX0830WBSD01

Tot Ion: 63 Resp: 79629

Ion Ratio Lower Upper

63 100

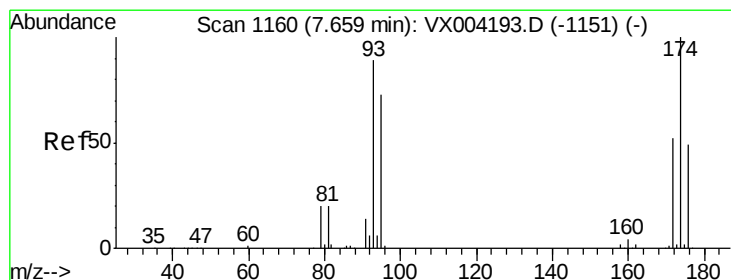
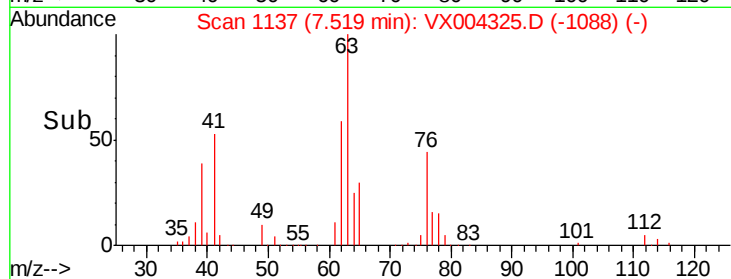
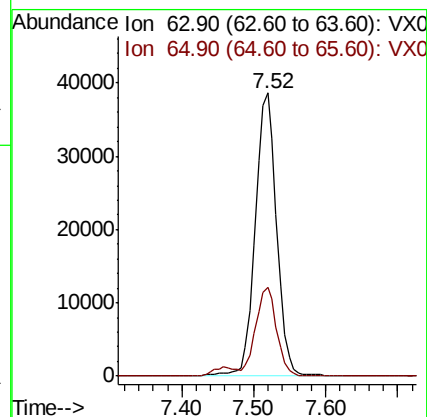
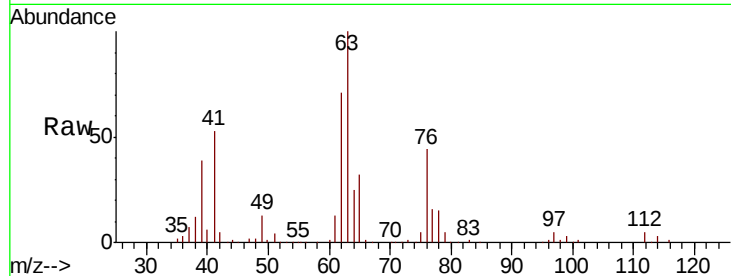
65 31.6 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.35 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

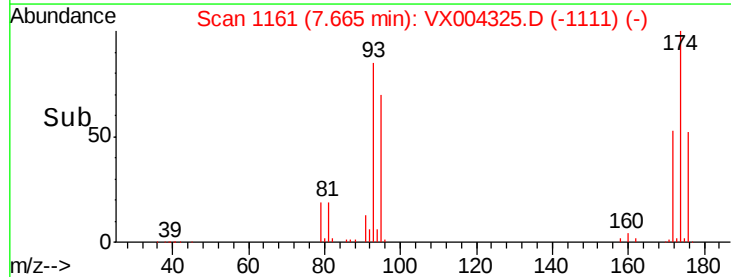
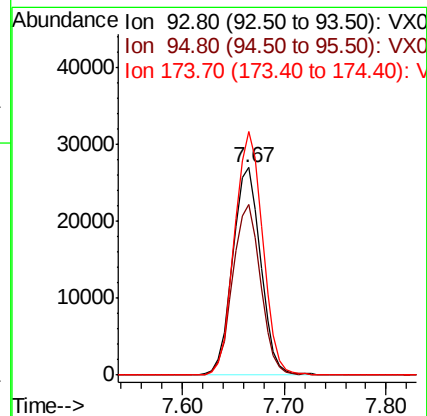
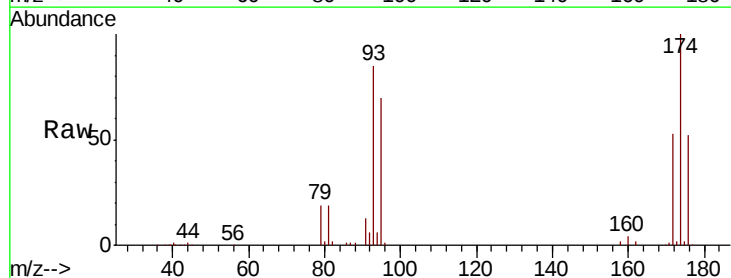
Tgt Ion: 93 Resp: 51391

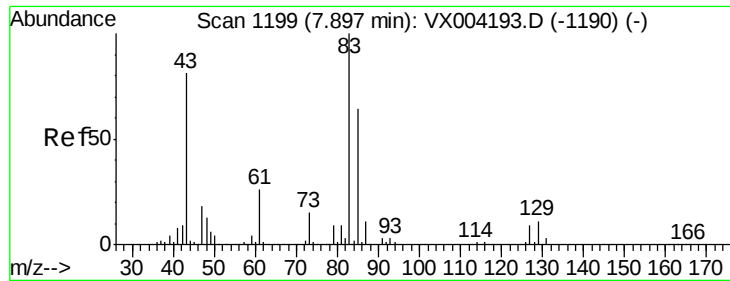
Ion Ratio Lower Upper

93 100

95 82.1 65.5 98.3

174 117.3 94.2 141.4





#47

Bromodichloromethane

Concen: 20.52 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

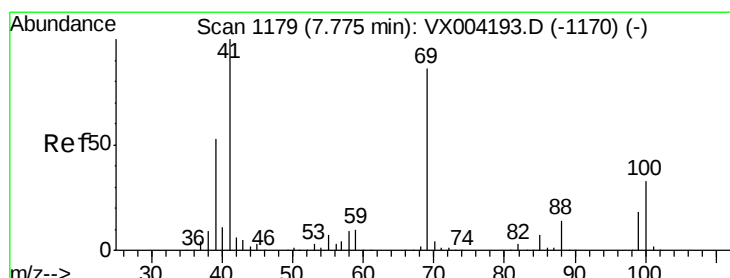
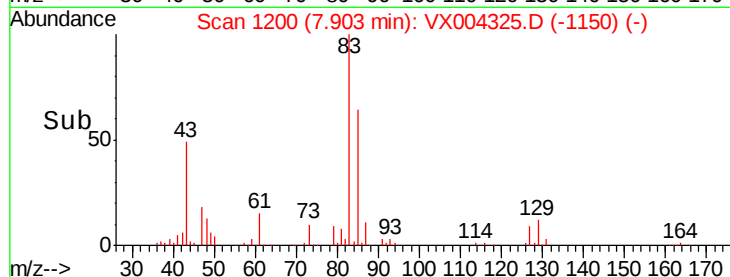
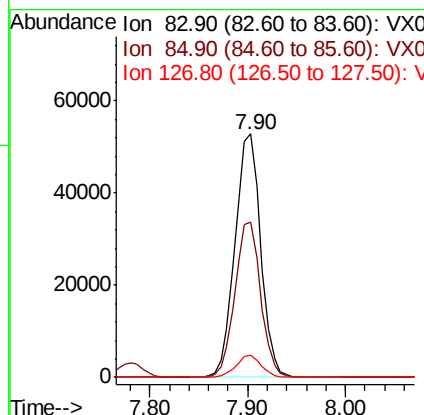
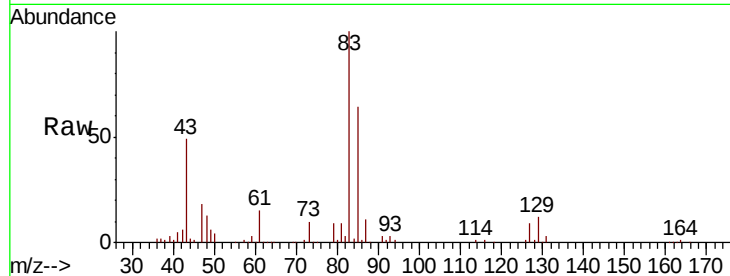
ClientSampleId :

VX0830WBSD01

Tot Ion:	83	Resp:	96427
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.9	76.3
127	9.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.57 ug/l

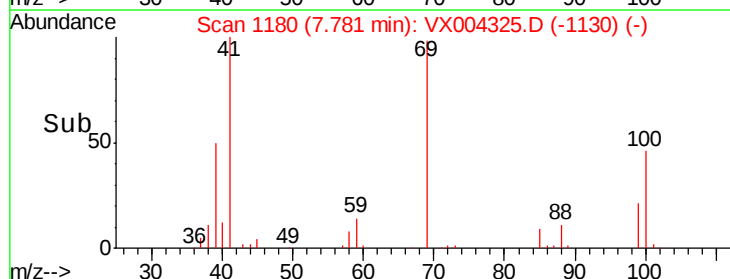
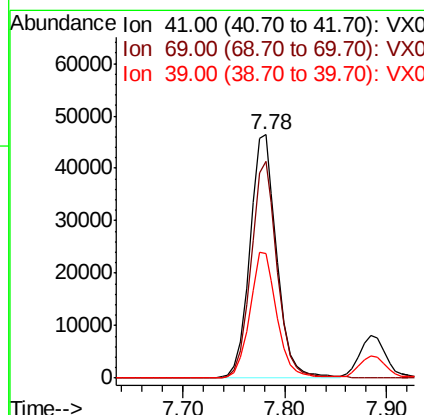
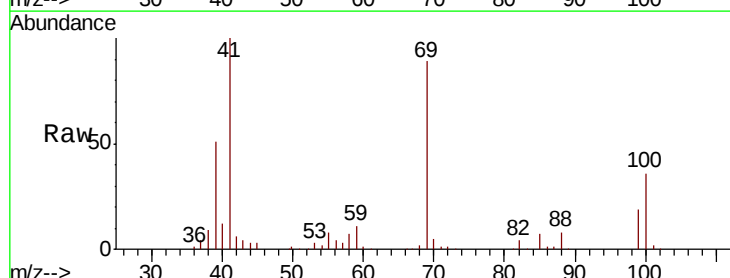
RT: 7.78 min Scan# 1180

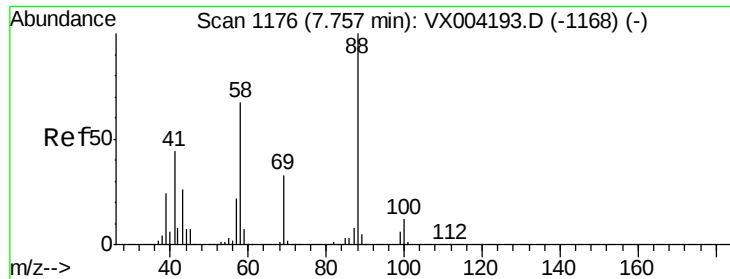
Delta R.T. 0.01 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Tgt Ion:	41	Resp:	84382
Ion Ratio	Lower	Upper	
41	100		
69	87.9	70.2	105.4
39	52.4	42.7	64.1





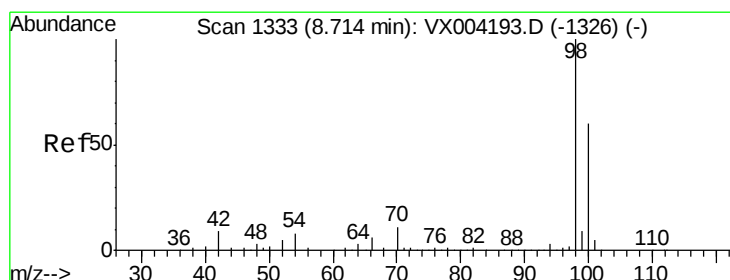
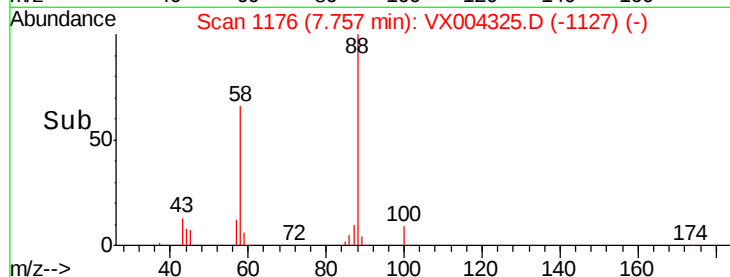
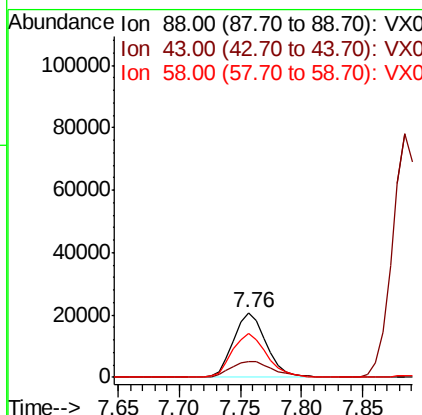
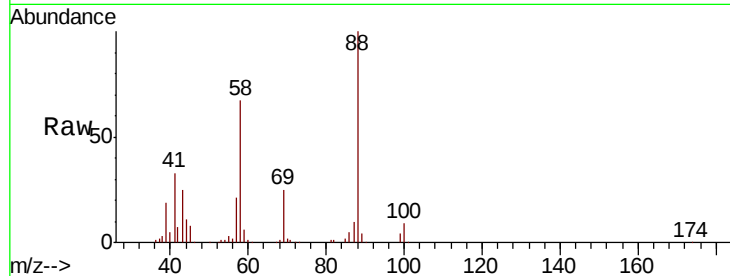
#49
1,4-Dioxane
Concen: 411.91 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	24.7	37.1
58	71.8	55.3	82.9

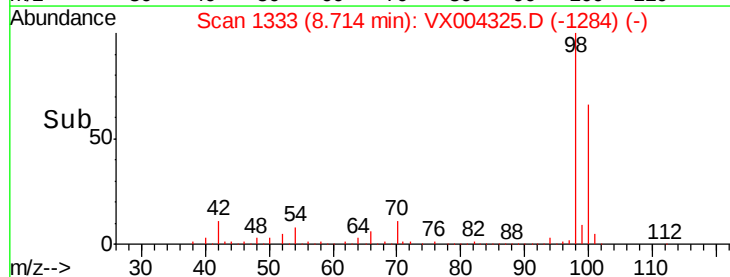
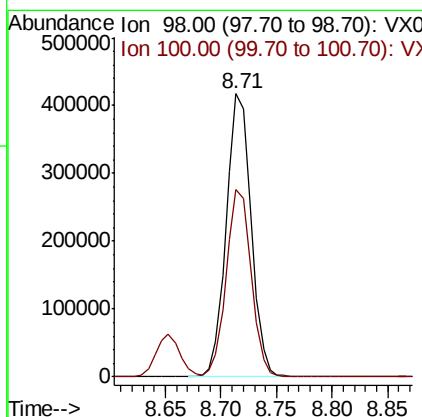
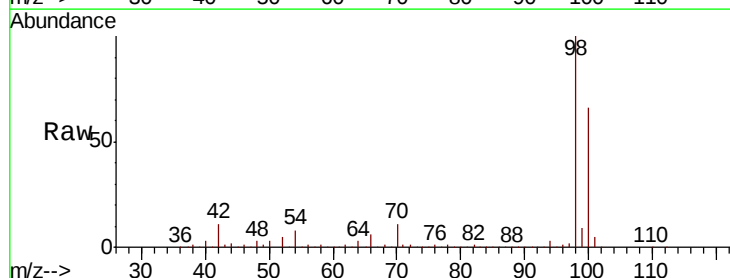
Manual Integrations
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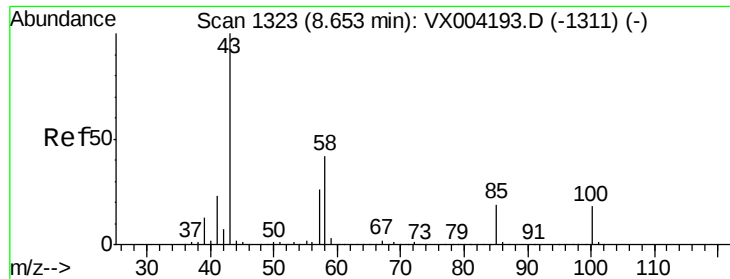
MMDadoda
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#50
Toluene-d8
Concen: 50.88 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 102.20 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion: 43 Resp: 569154

Ion Ratio Lower Upper

43 100

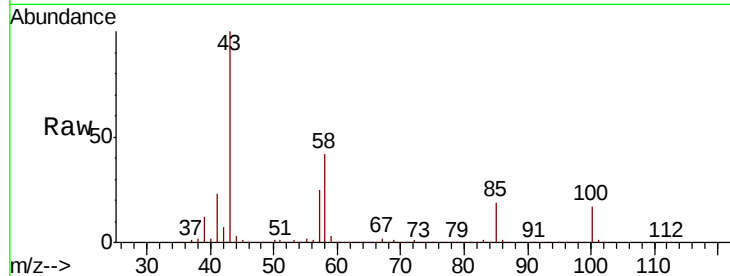
58 40.9 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

400000

300000

200000

100000

0

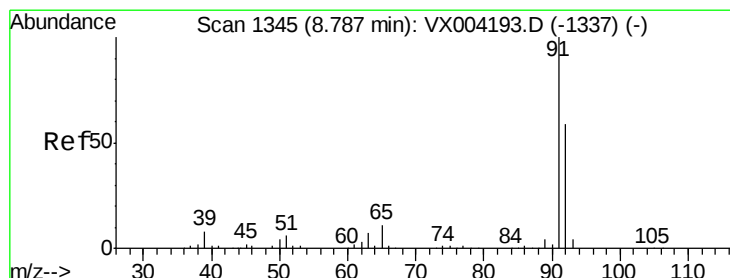
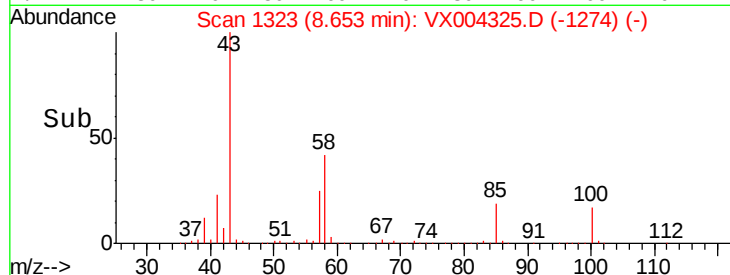
8.65

8.60

8.70

8.80

Time-->



#52

Toluene

Concen: 20.44 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004325.D

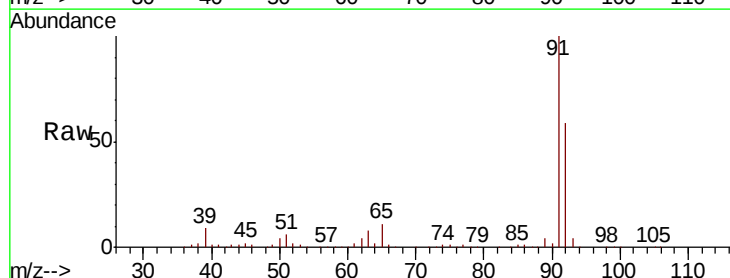
Acq: 30 Aug 2018 18:13

Tgt Ion: 92 Resp: 193955

Ion Ratio Lower Upper

92 100

91 171.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

50000

0

8.79

8.70

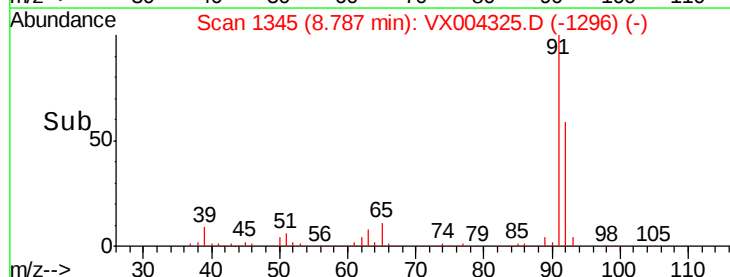
8.75

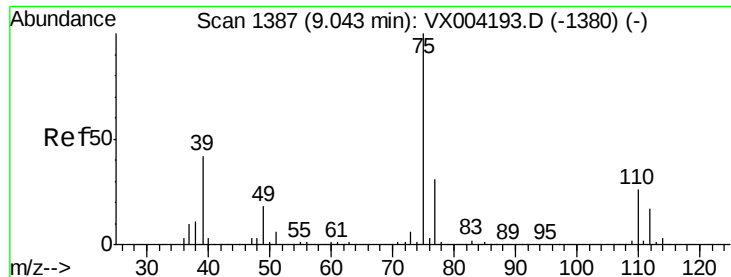
8.80

8.85

8.90

Time-->





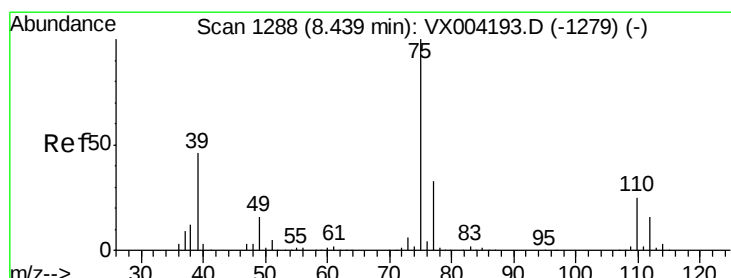
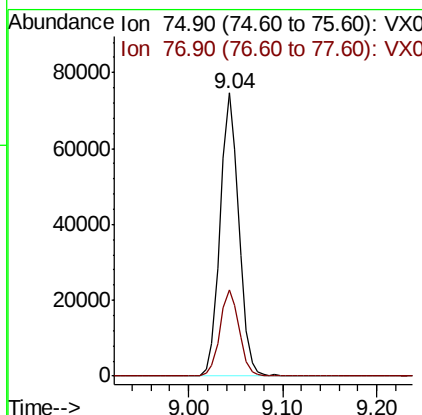
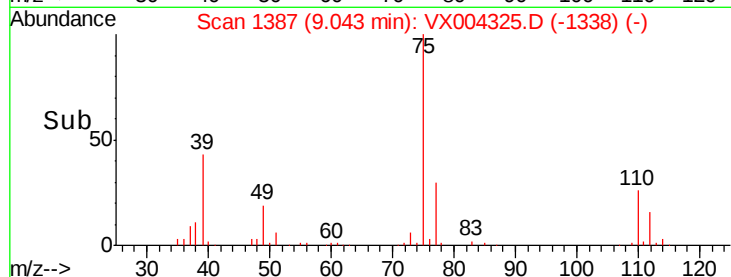
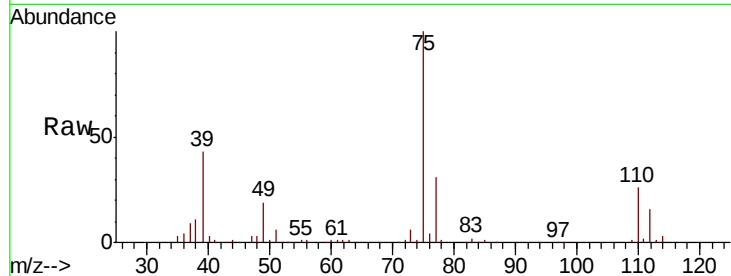
#53
t-1,3-Dichloropropene
Concen: 19.89 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion: 75 Resp: 103224
Ion Ratio Lower Upper
75 100
77 30.5 24.6 37.0

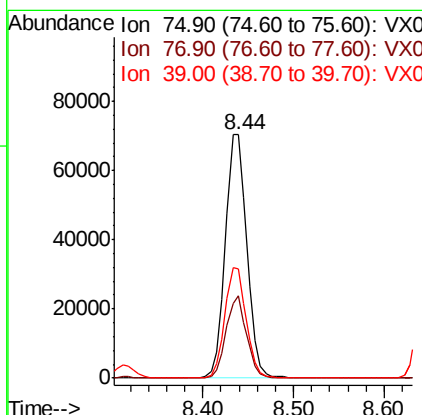
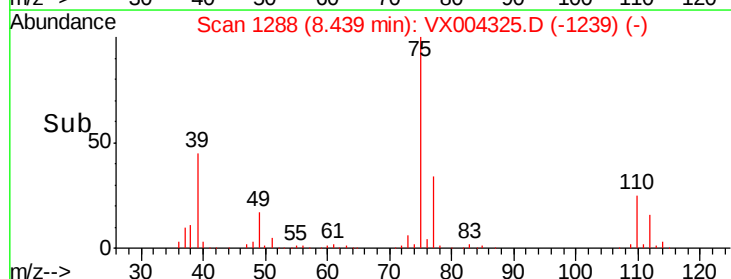
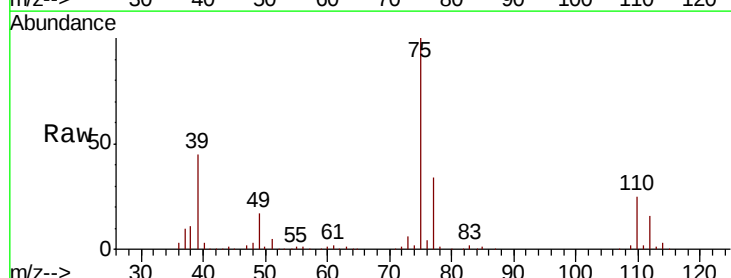
Manual Integrations
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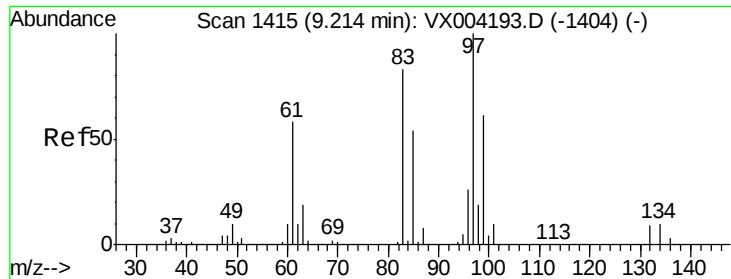
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.55 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion: 75 Resp: 116196
Ion Ratio Lower Upper
75 100
77 33.7 26.2 39.2
39 44.6 36.4 54.6





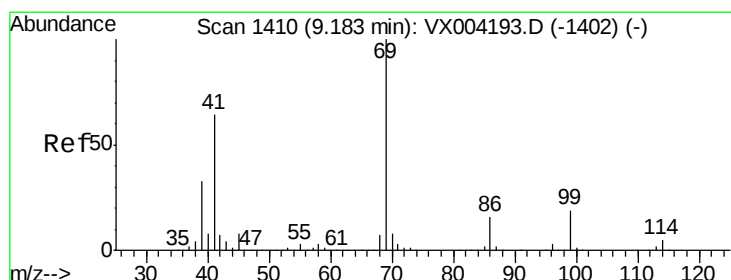
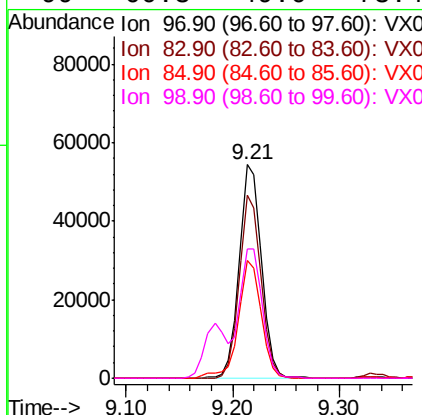
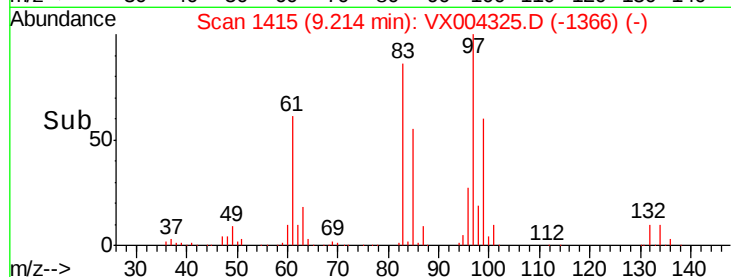
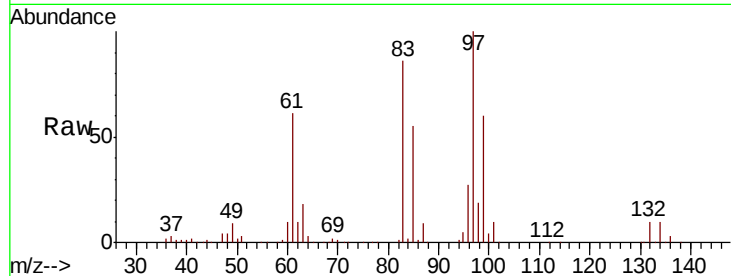
#55
 1,1,2-Trichloroethane
 Concen: 20.94 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80195		
83	85.7	66.4	99.6		
85	55.3	43.3	64.9		
99	60.3	49.0	73.4		

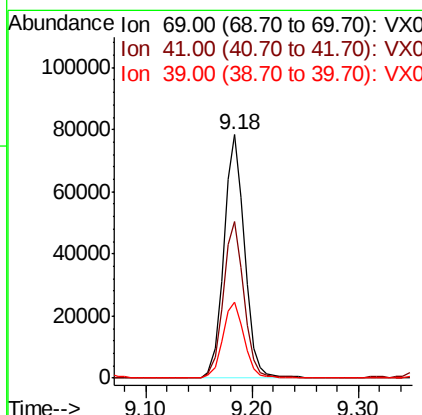
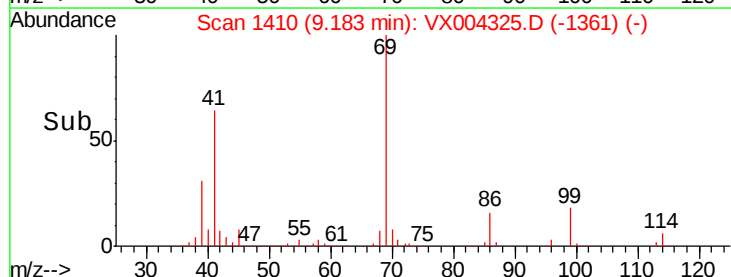
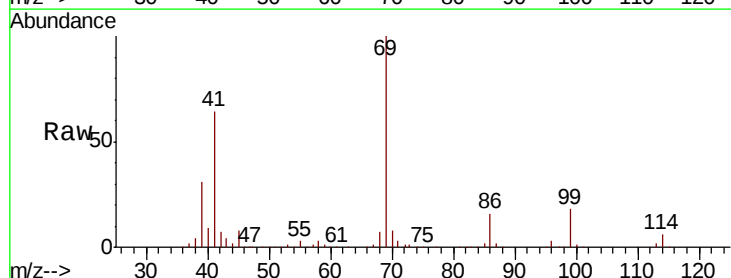
Manual Integrations
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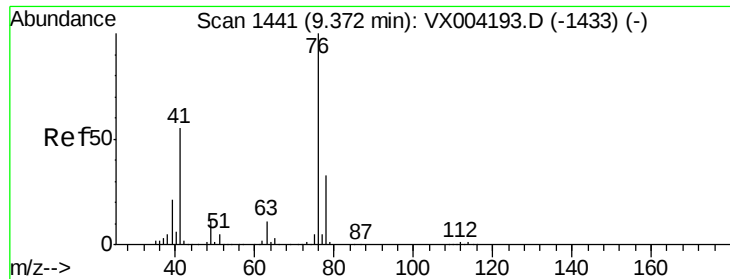
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#56
 Ethyl methacrylate
 Concen: 20.46 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		106680		
41	63.7	51.0	76.4		
39	32.4	26.1	39.1		





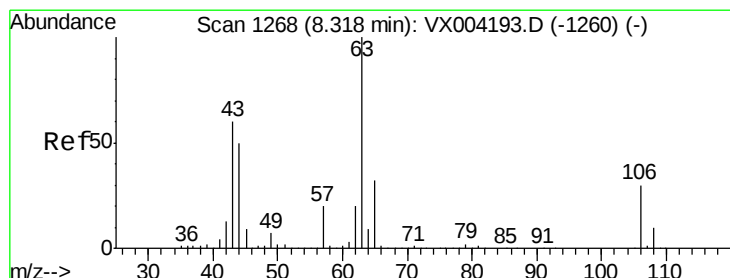
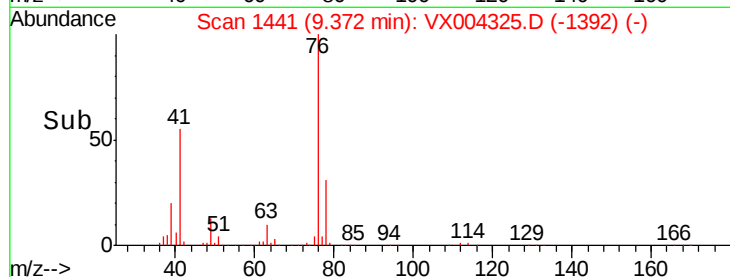
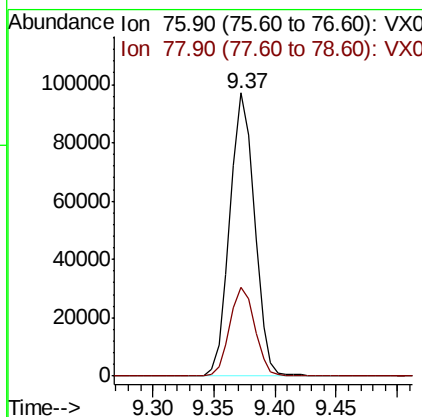
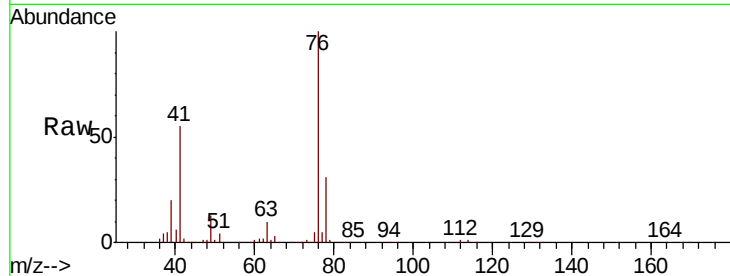
#57
 1,3-Dichloropropane
 Concen: 21.08 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

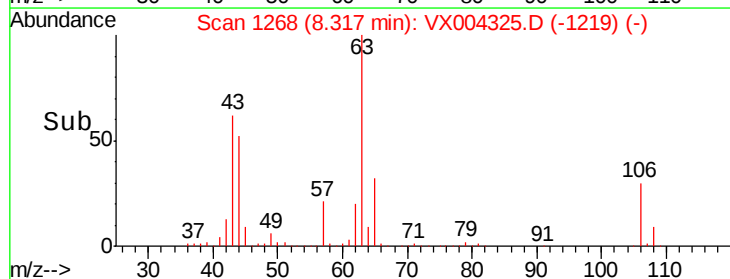
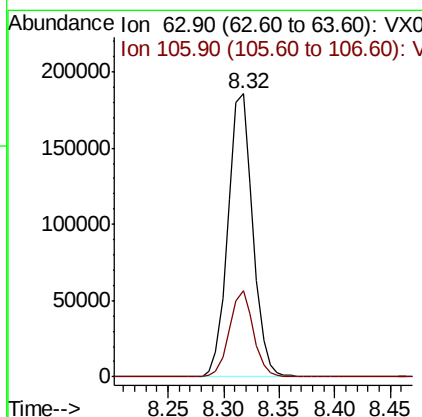
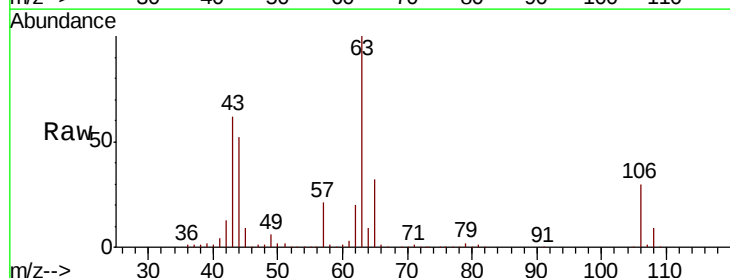
Manual Integrations
 APPROVED

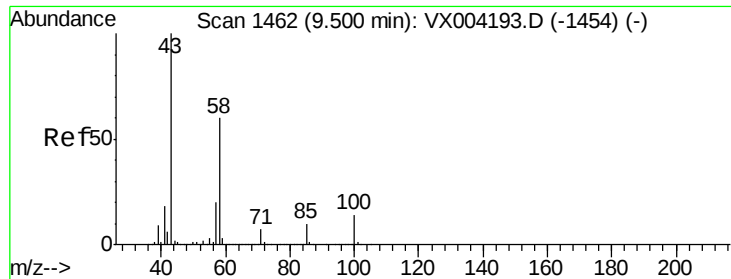
MMDadoda
 8/31/2018 4:30:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.32 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.9	35.9





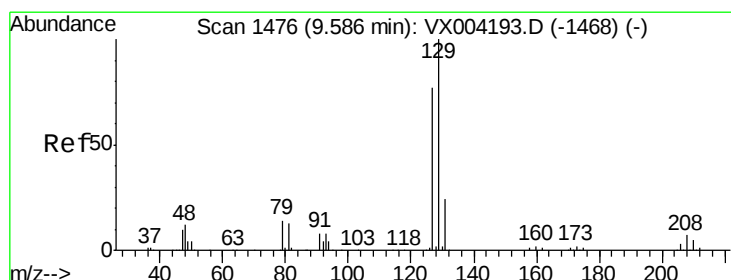
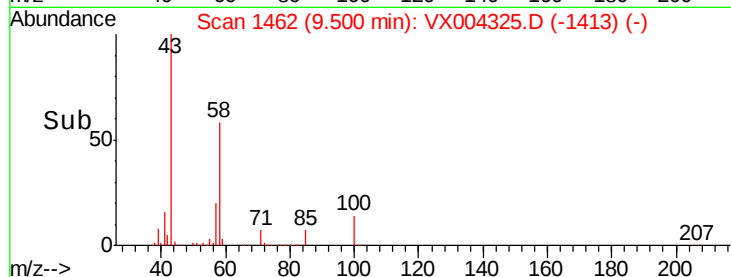
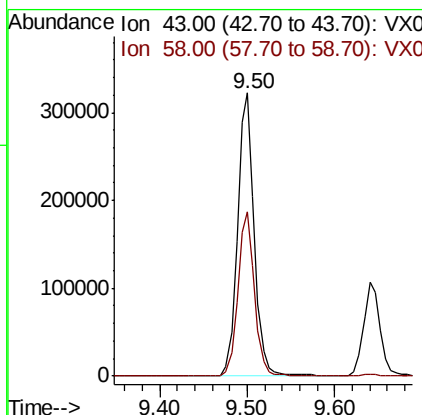
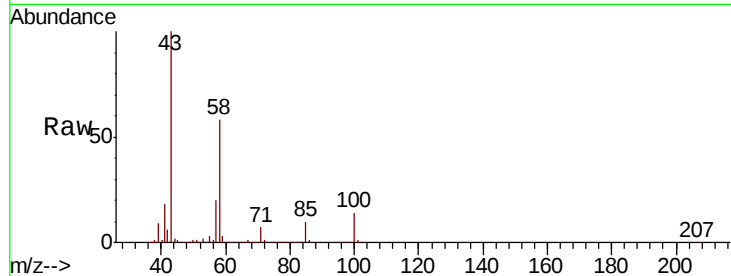
#59
2-Hexanone
Concen: 100.98 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion: 43 Resp: 429040
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0

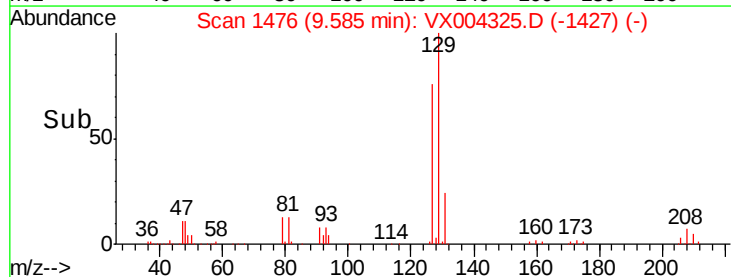
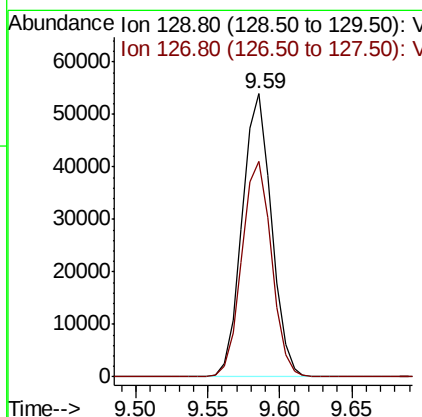
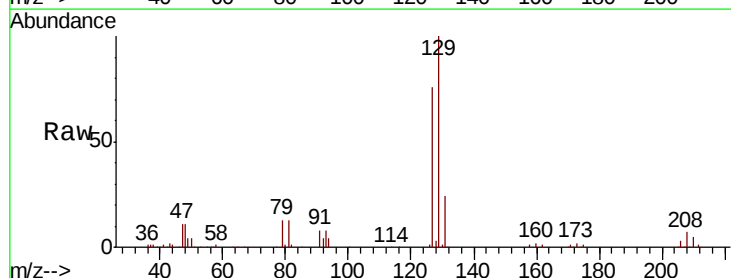
Manual Integrations
APPROVED

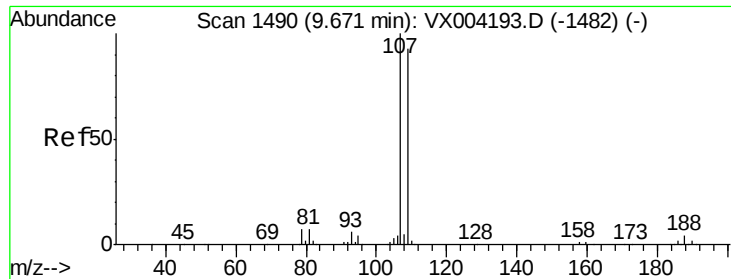
MMDadoda
8/31/2018 4:30:21 PM



#60
Dibromochloromethane
Concen: 20.41 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion: 129 Resp: 76168
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.50 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion:107 Resp: 81244

Ion Ratio Lower Upper

107 100

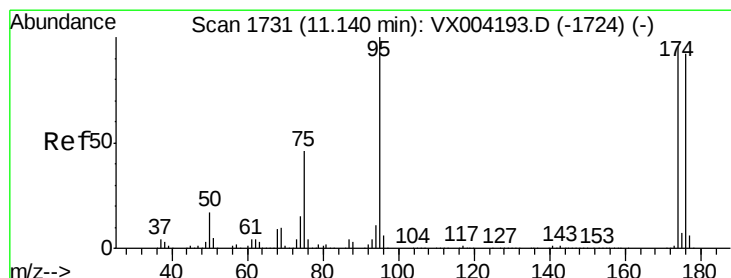
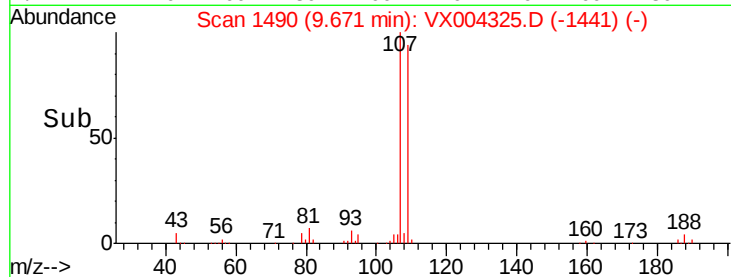
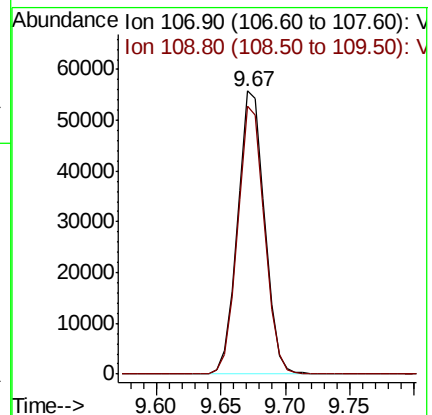
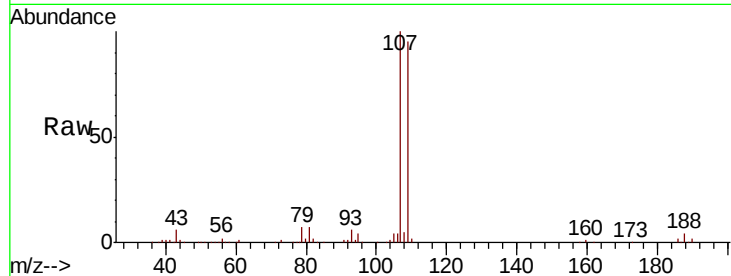
109 94.4 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

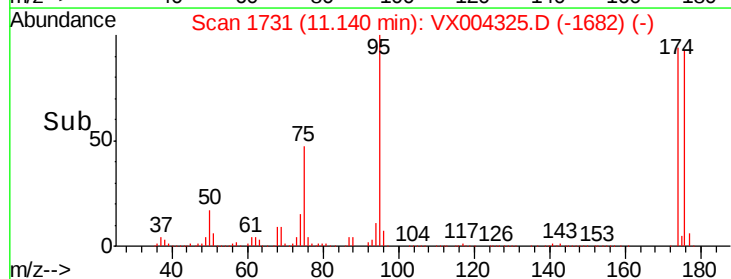
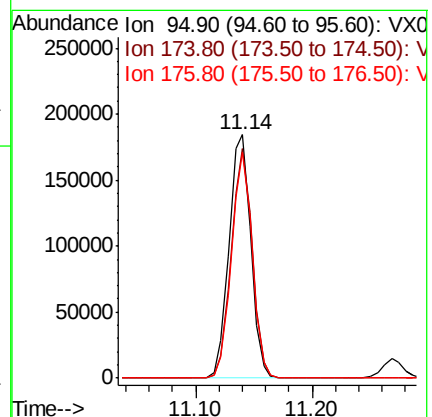
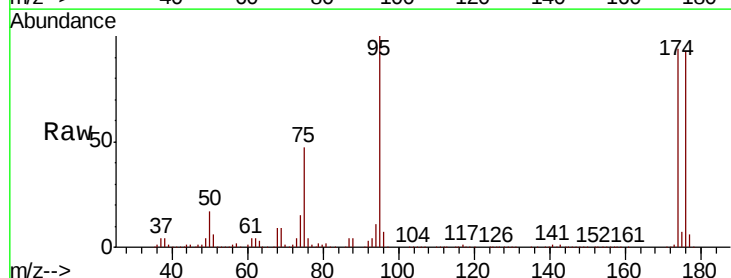
Tgt Ion: 95 Resp: 238210

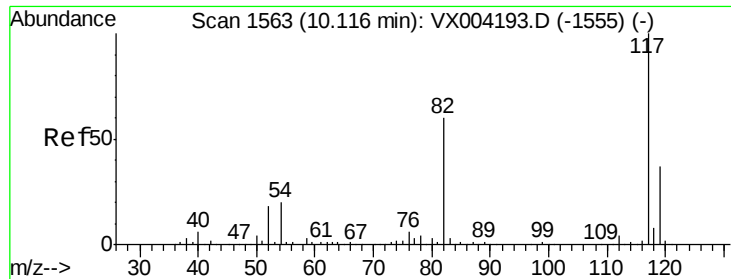
Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.2

176 89.1 0.0 178.6





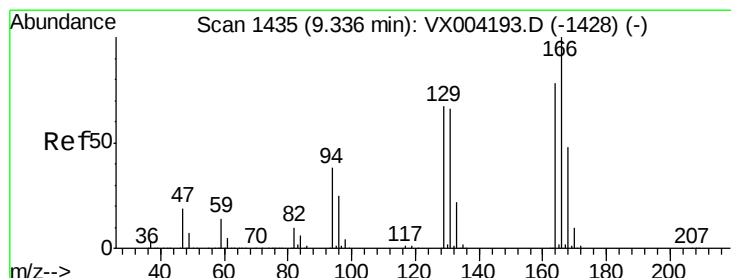
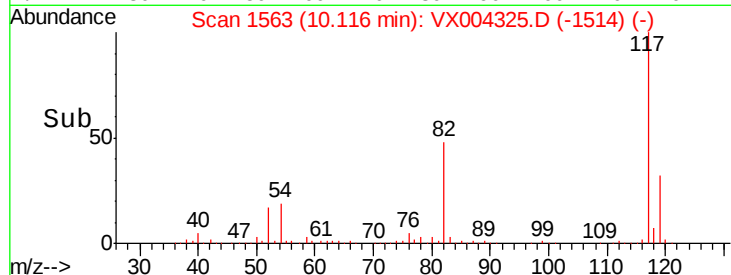
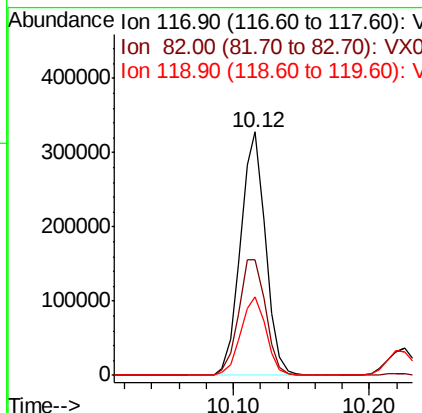
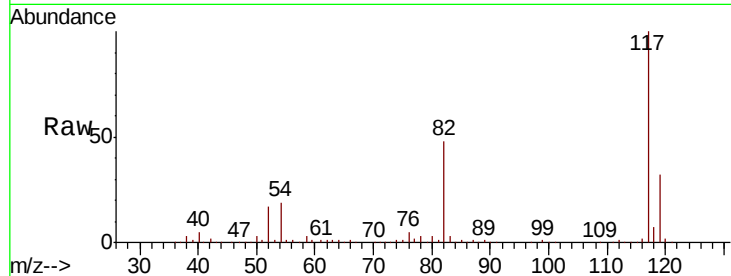
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.6	47.8	71.6#
119	32.3	29.3	43.9

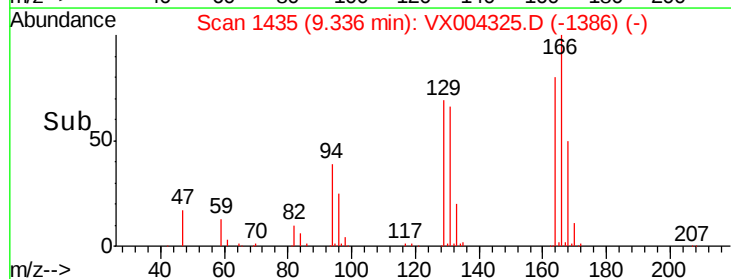
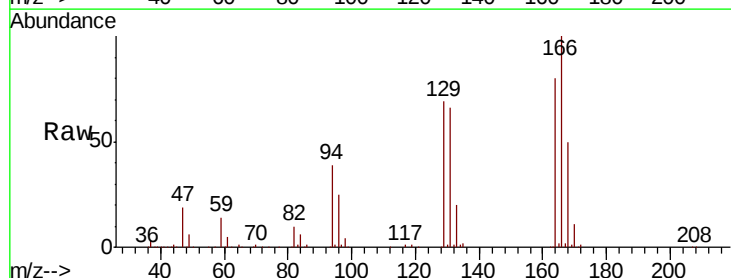
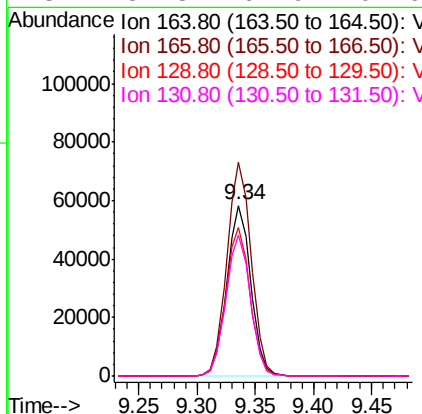
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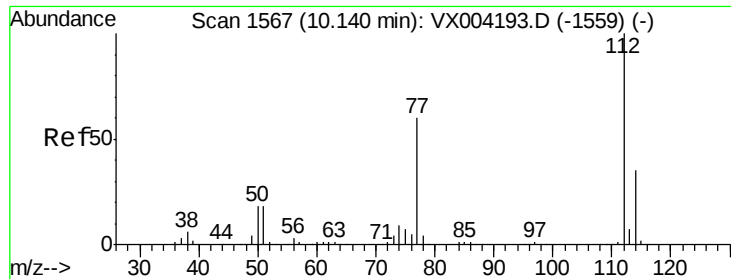
MMDadoda
8/31/2018 4:30:21 PM



#64
Tetrachloroethene
Concen: 20.13 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	102.8	154.2
129	86.9	69.4	104.0
131	82.8	67.9	101.9





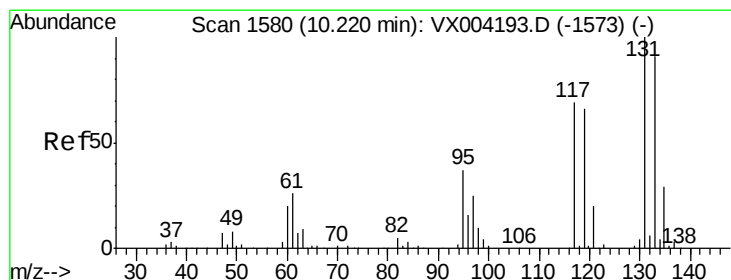
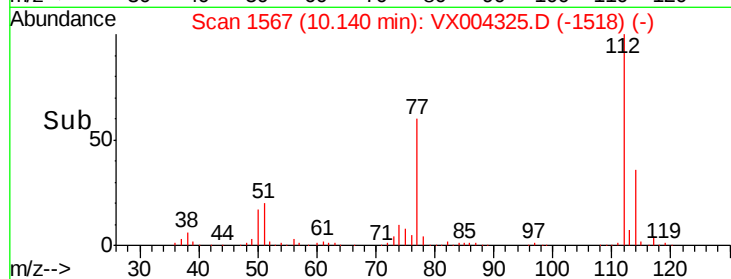
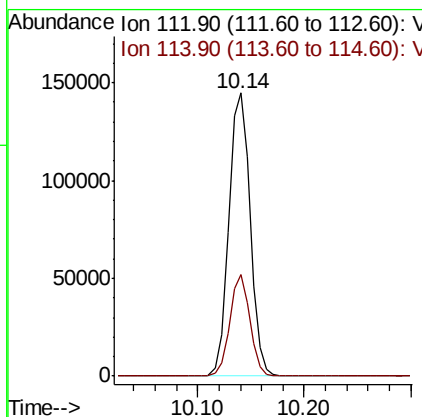
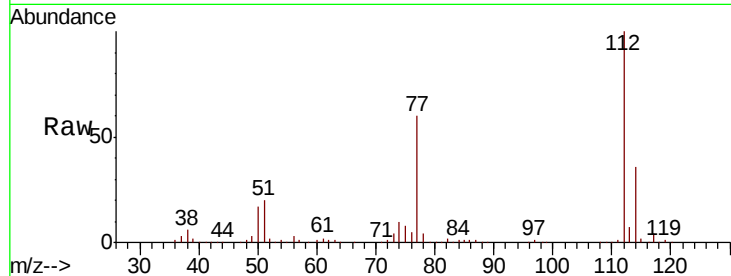
#65
Chlorobenzene
Concen: 19.40 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.7	27.8	41.8

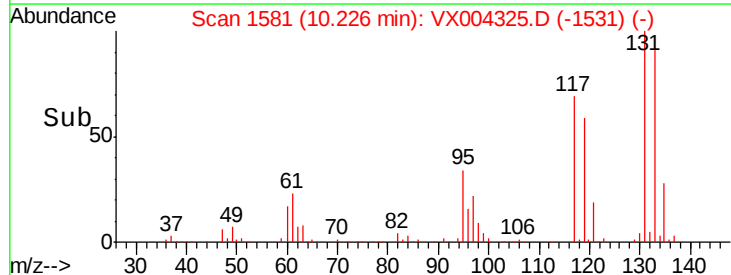
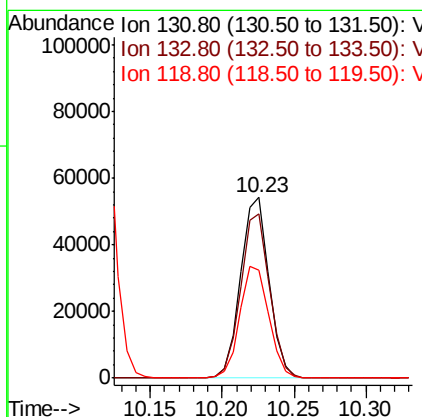
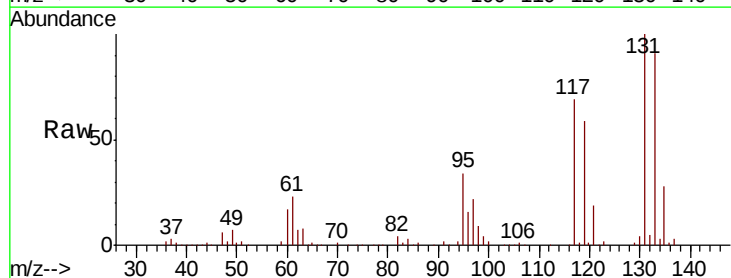
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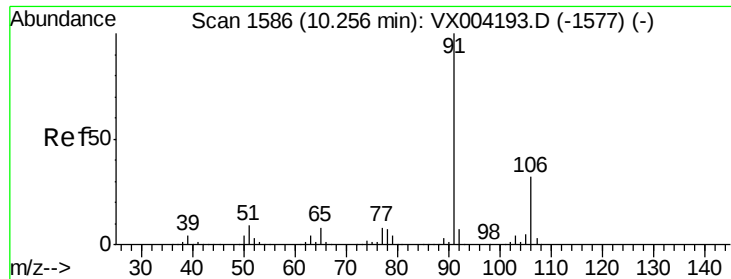
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.45 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.4	48.1	144.4
119	63.4	32.9	98.6





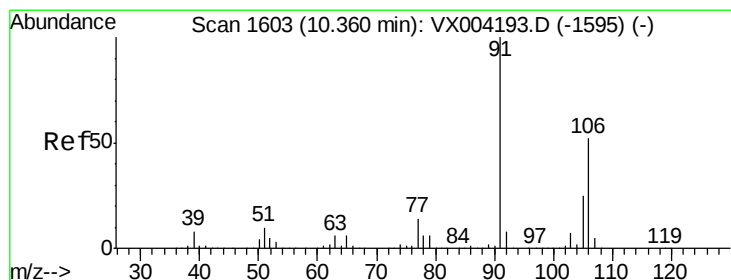
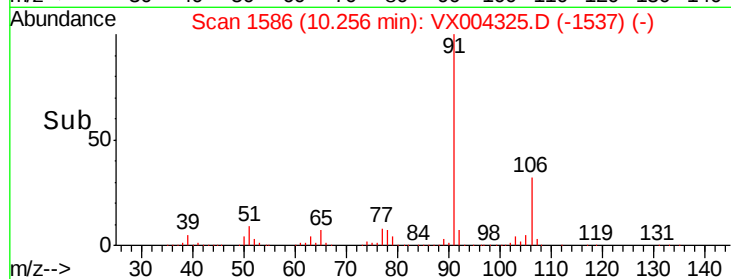
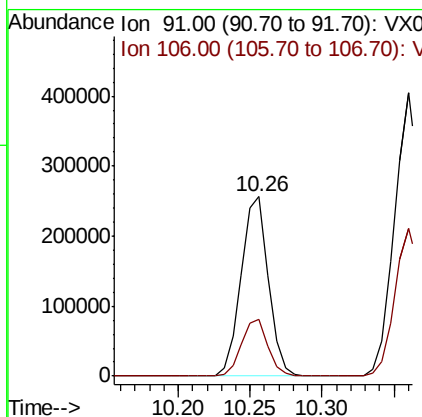
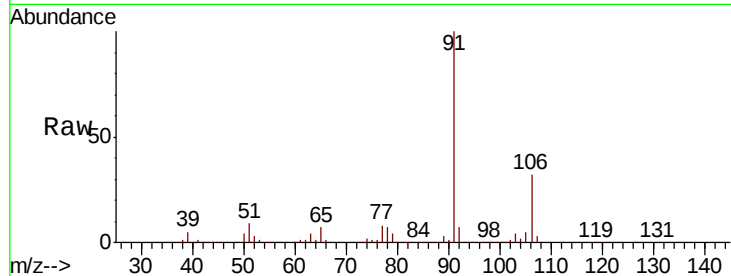
#67
Ethyl Benzene
Concen: 19.70 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion: 91 Resp: 336299
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9

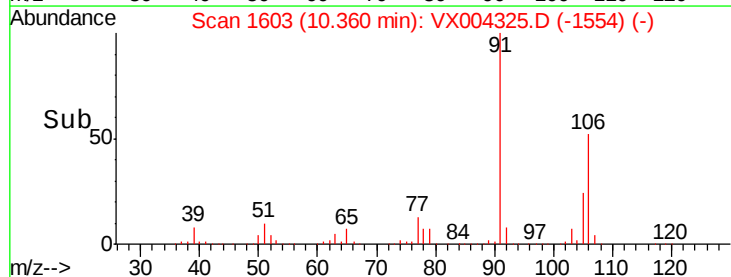
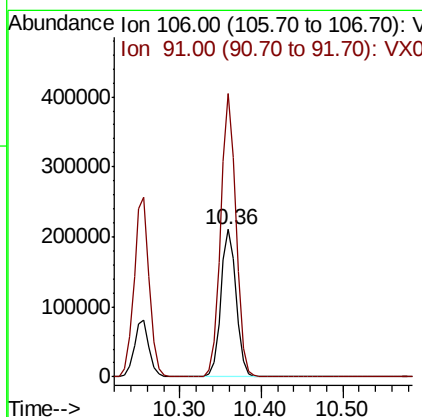
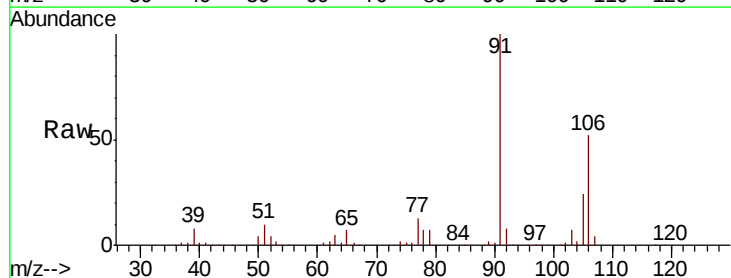
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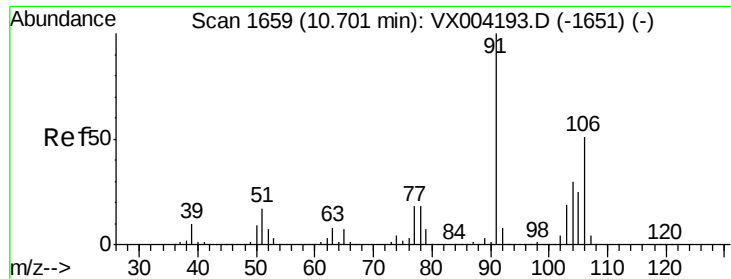
MMDadoda
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#68
m/p-Xylenes
Concen: 41.34 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion: 106 Resp: 275922
Ion Ratio Lower Upper
106 100
91 192.5 157.1 235.7





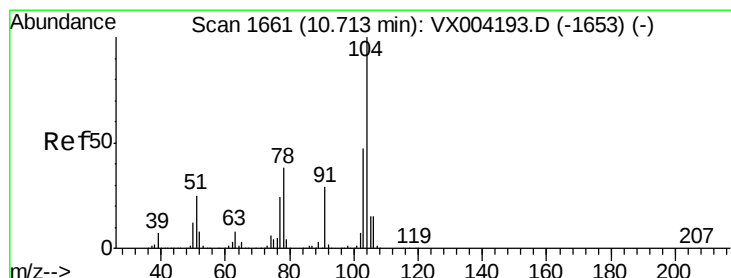
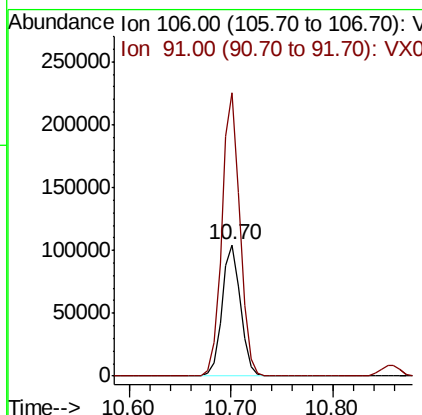
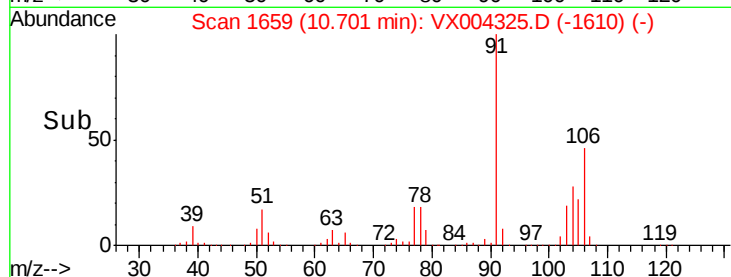
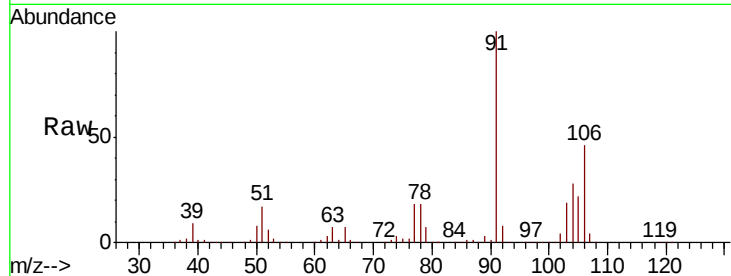
#69
o-Xylene
Concen: 20.89 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.1	105.1	315.1

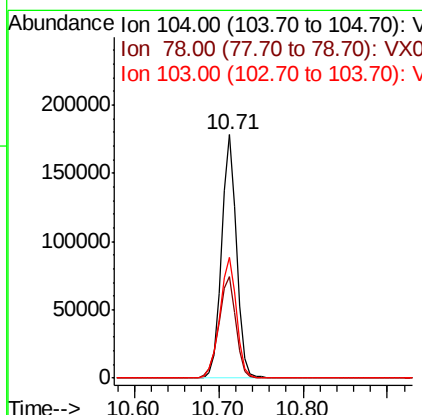
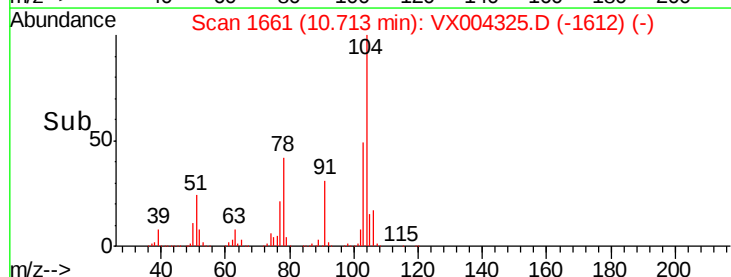
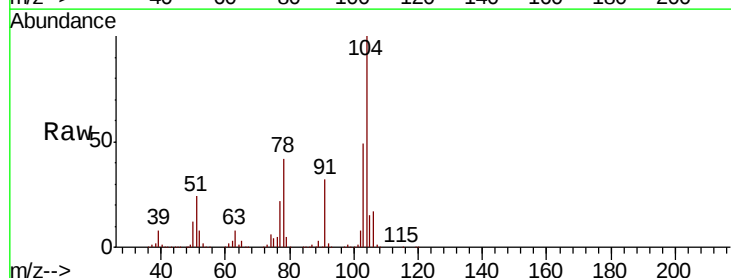
Manual Integrations
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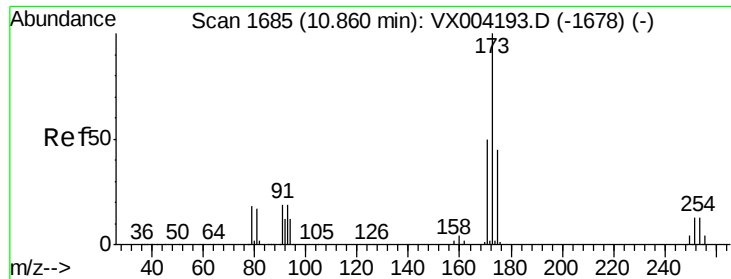
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#70
Styrene
Concen: 21.54 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.4	56.0
103	55.2	43.8	65.6





#71

Bromoform

Concen: 19.88 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion:173 Resp: 58084

Ion Ratio Lower Upper

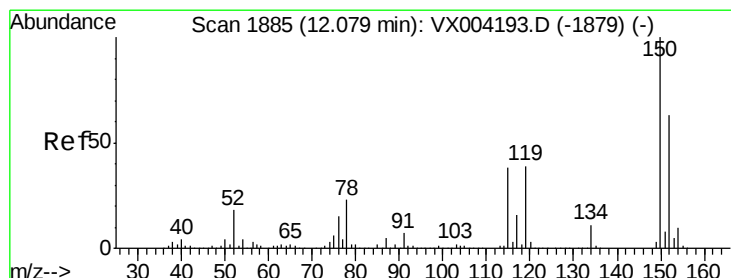
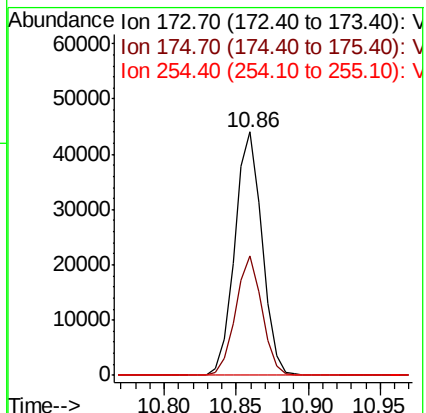
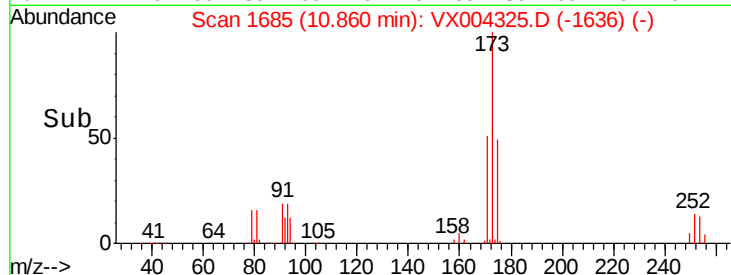
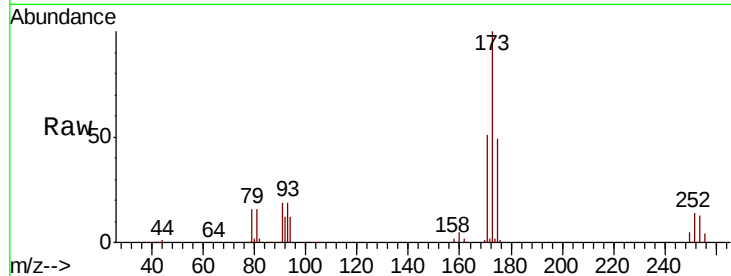
173 100

175 47.6 24.1 72.3

254 0.2 0.2 0.2

Manual Integrations
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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: VX004325.D

Acq: 30 Aug 2018 18:13

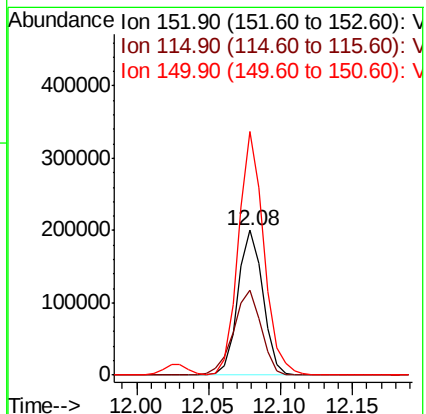
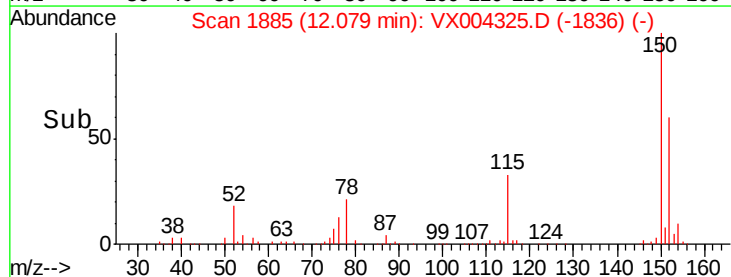
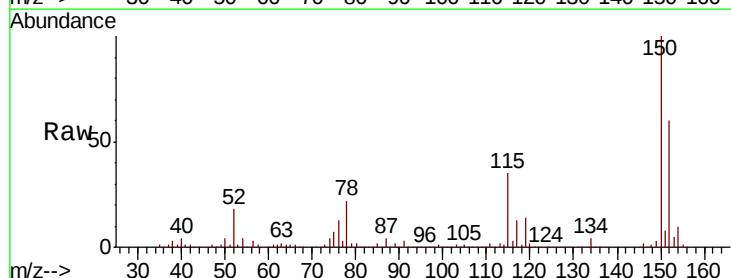
Tgt Ion:152 Resp: 241680

Ion Ratio Lower Upper

152 100

115 65.6 39.0 117.0

150 171.1 0.0 351.0





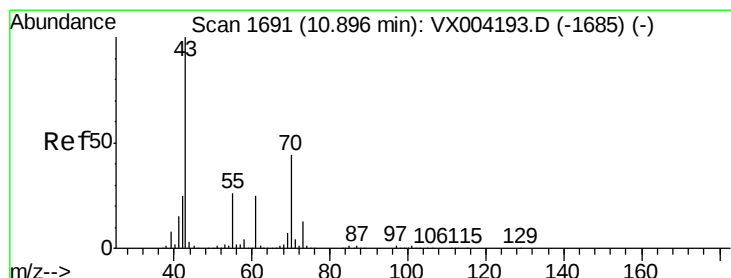
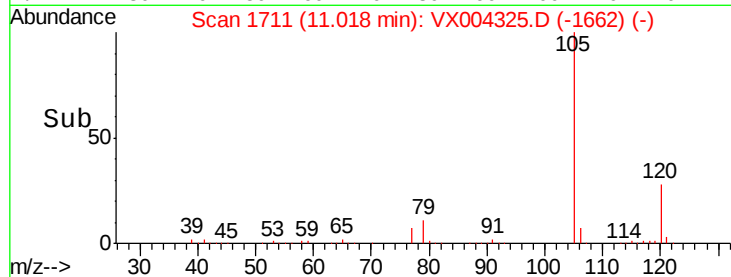
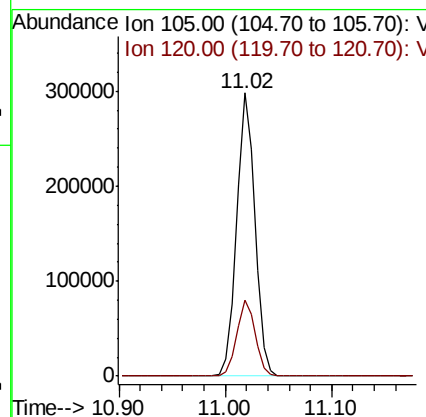
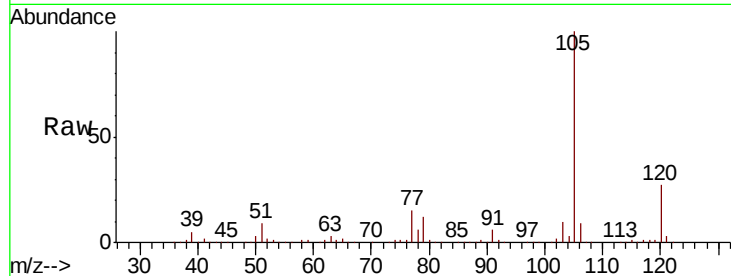
#73
Isopropylbenzene
Concen: 22.68 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion: 105 Resp: 360038
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

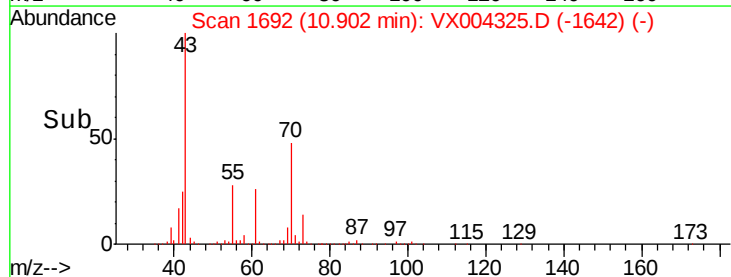
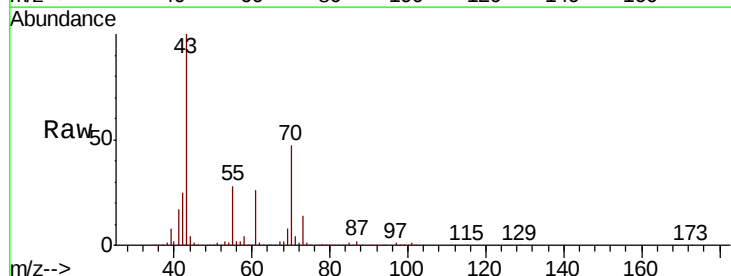
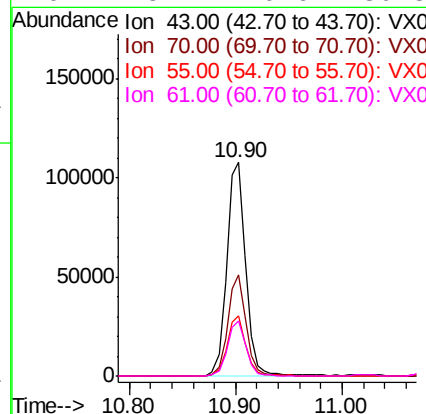
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#74
N-ethyl acetate
Concen: 21.78 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion: 43 Resp: 133100
Ion Ratio Lower Upper
43 100
70 46.0 37.4 56.0
55 28.1 21.8 32.8
61 25.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.29 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

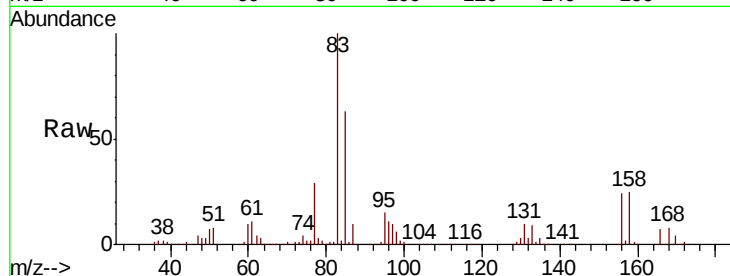
ClientSampled :

VX0830WBSD01

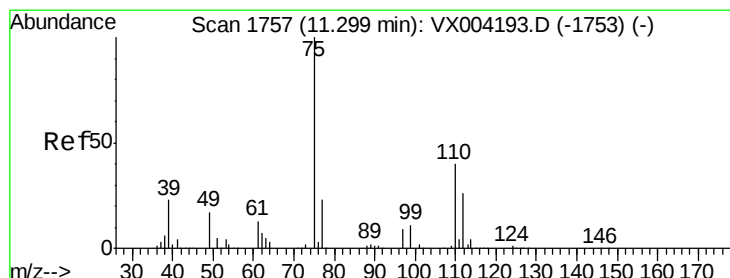
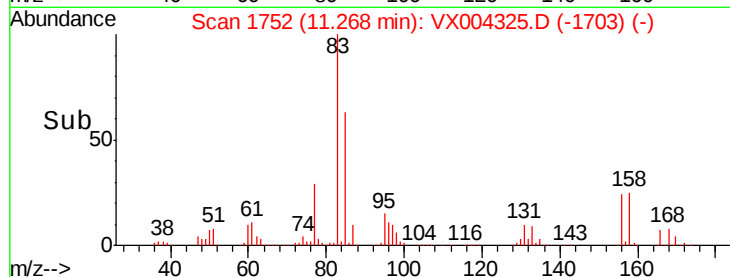
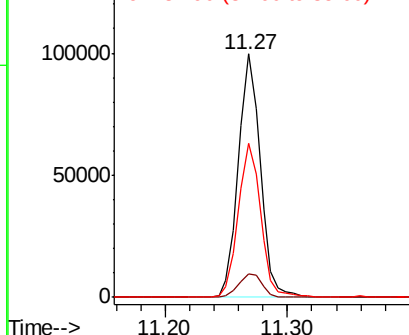
Tot Ion:	83	Resp:	123795
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.4	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.73 ug/l m

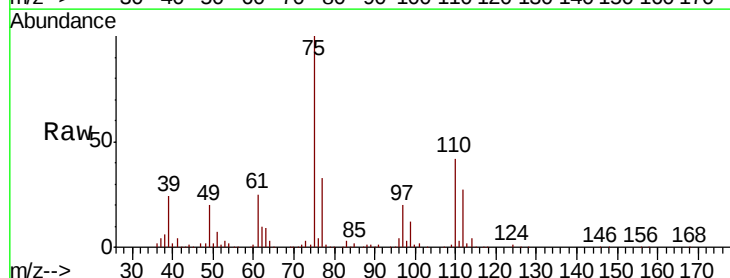
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

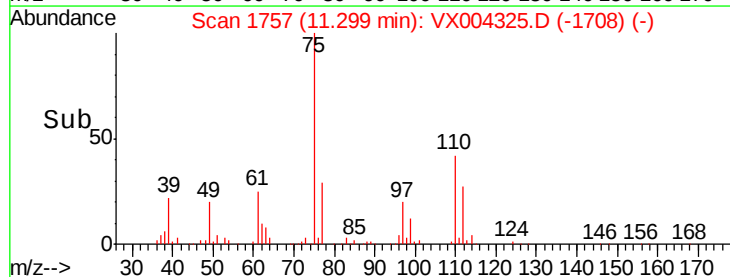
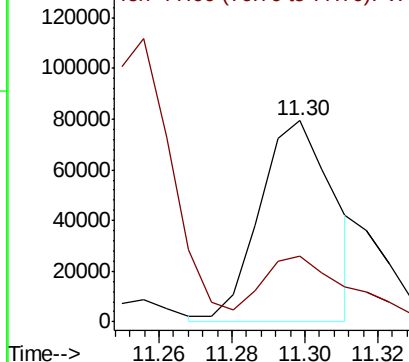
Lab File: VX004325.D

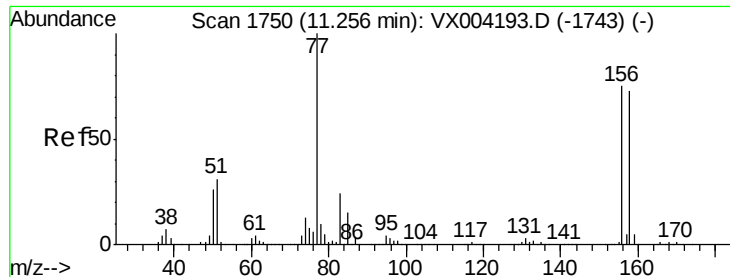
Acq: 30 Aug 2018 18:13

Tgt Ion:	75	Resp:	111701
Ion Ratio	Lower	Upper	
75	100		
77	39.1	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.61 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion:156 Resp: 96233

Ion Ratio Lower Upper

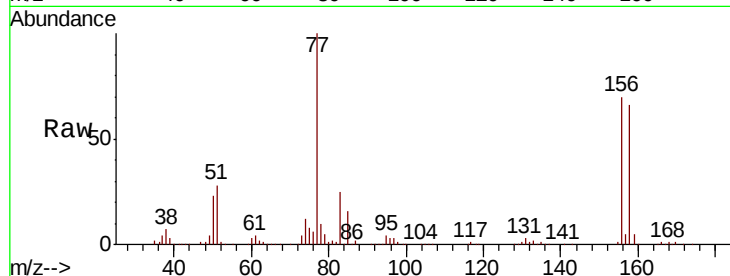
156 100

77 149.7 71.5 214.3

158 98.4 48.9 146.8

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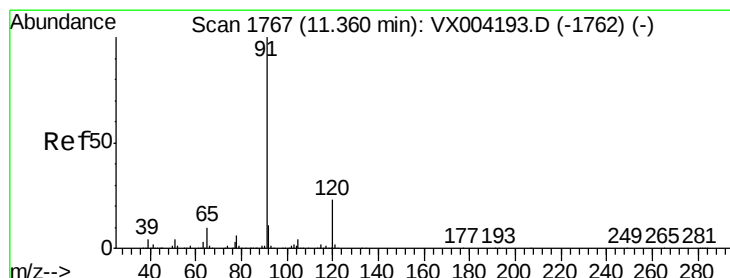
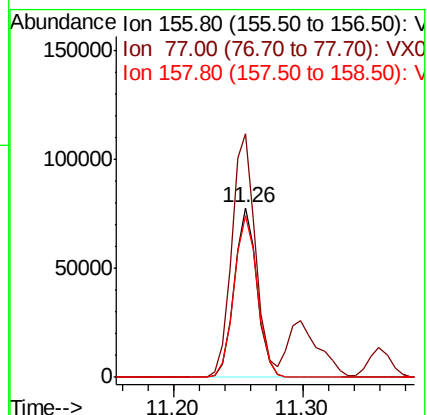
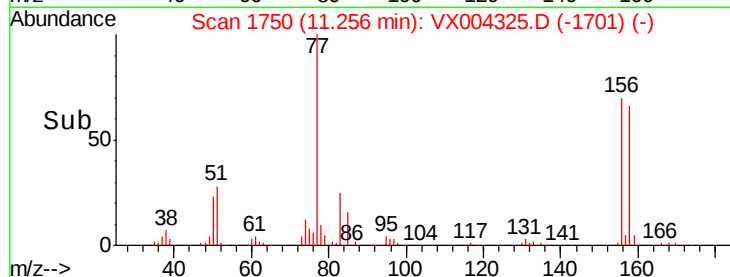
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.56 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004325.D

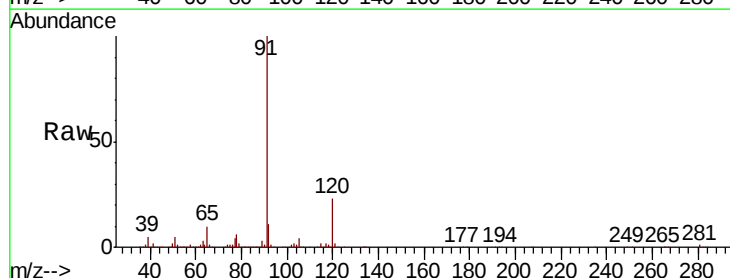
Acq: 30 Aug 2018 18:13

Tgt Ion: 91 Resp: 411914

Ion Ratio Lower Upper

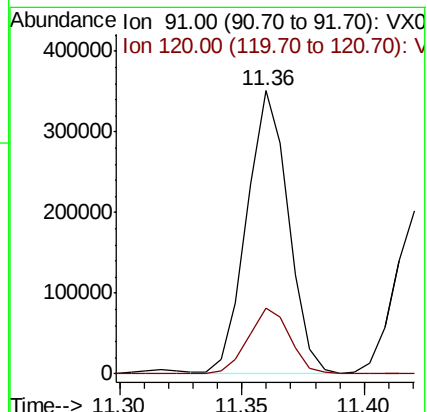
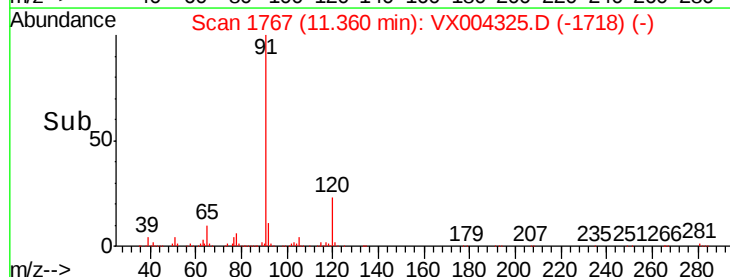
91 100

120 23.7 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: 22.02 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion: 91 Resp: 247466

Ion Ratio Lower Upper

91 100

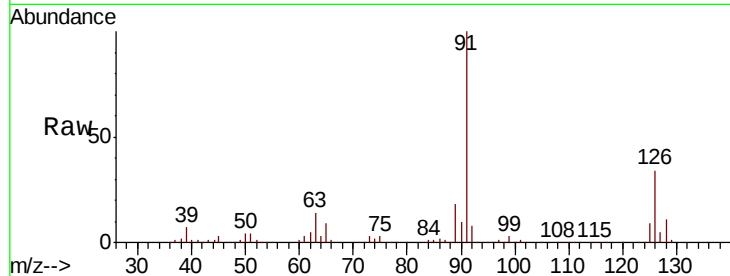
126 35.4 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

400000

300000

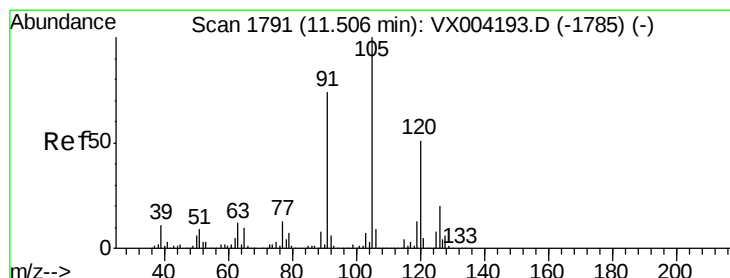
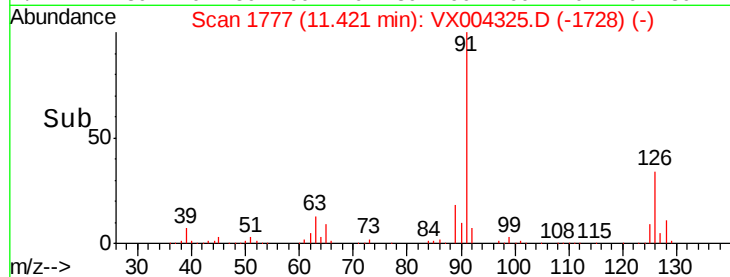
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.81 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004325.D

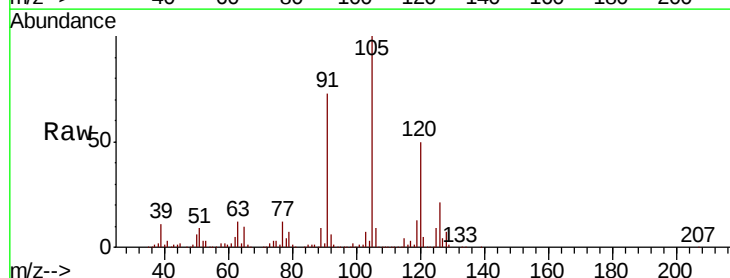
Acq: 30 Aug 2018 18:13

Tgt Ion: 105 Resp: 299881

Ion Ratio Lower Upper

105 100

120 50.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

300000

250000

200000

150000

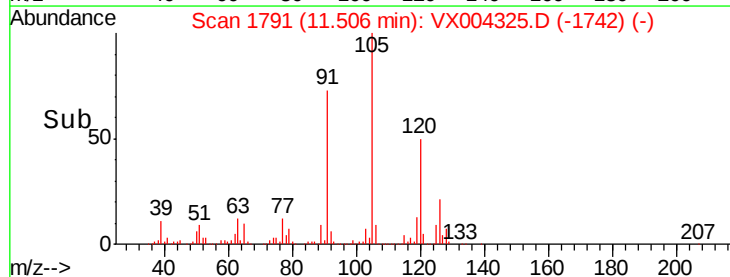
100000

50000

0

11.50 11.60

Time-->





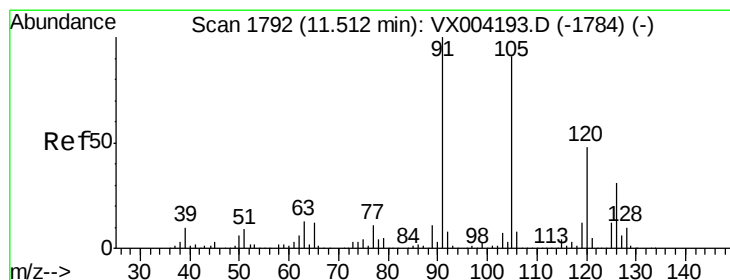
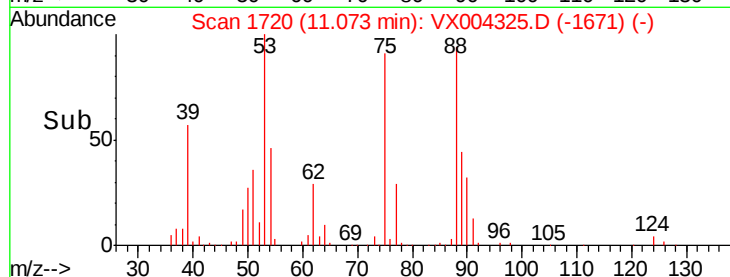
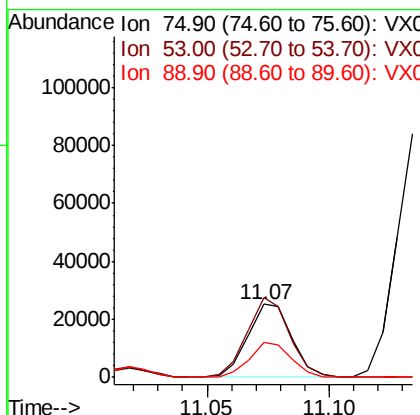
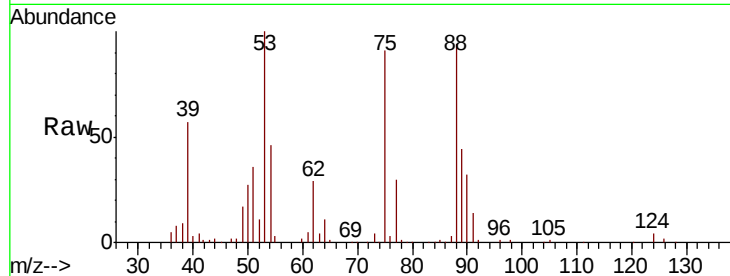
#81
trans-1,4-Dichloro-2-butene
Concen: 20.89 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	80.1	120.1
89	46.2	37.2	55.8

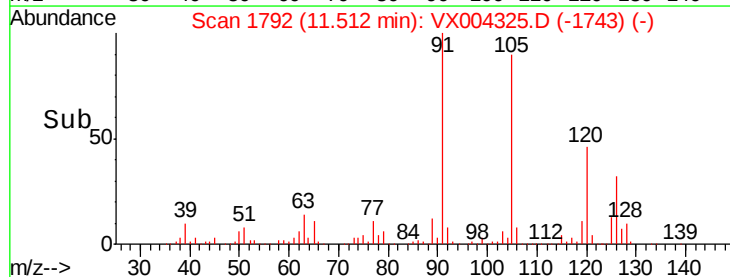
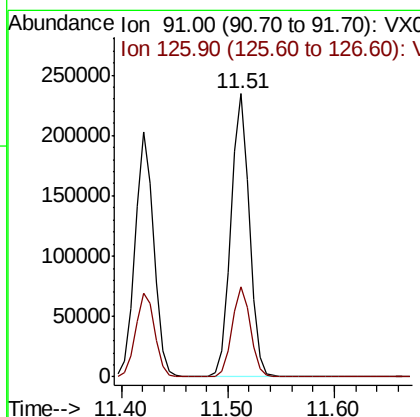
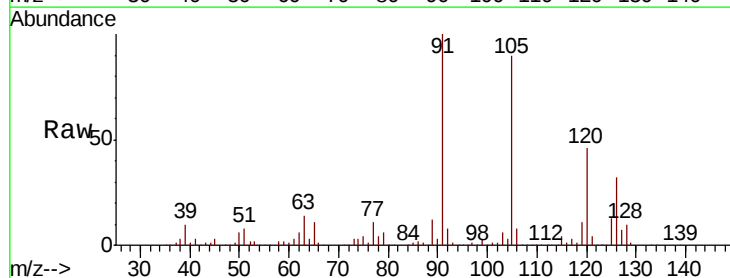
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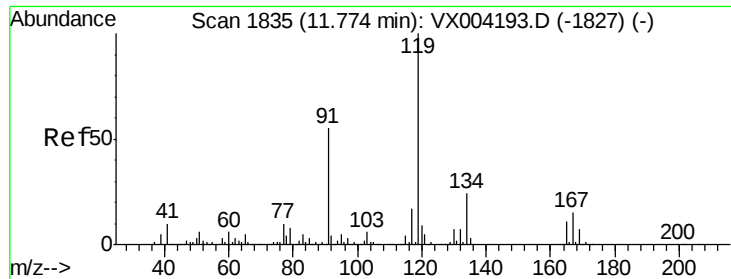
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#82
4-Chlorotoluene
Concen: 21.70 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.5	46.5





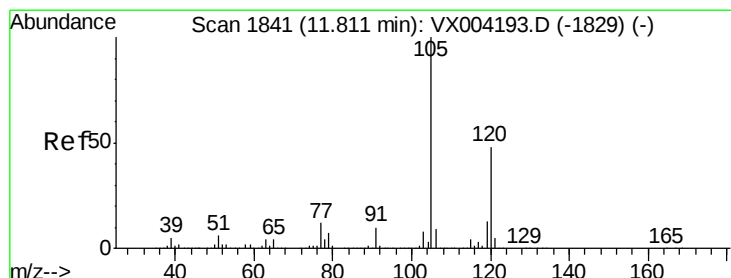
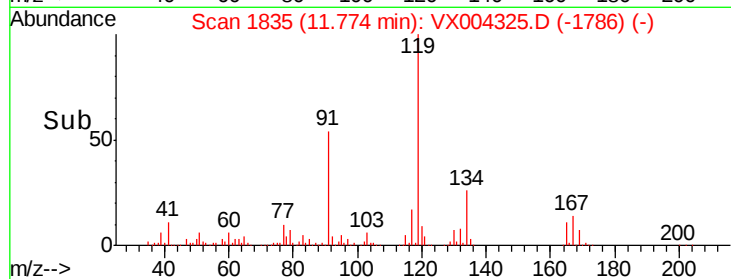
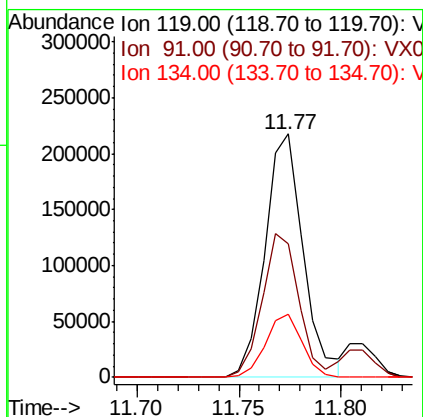
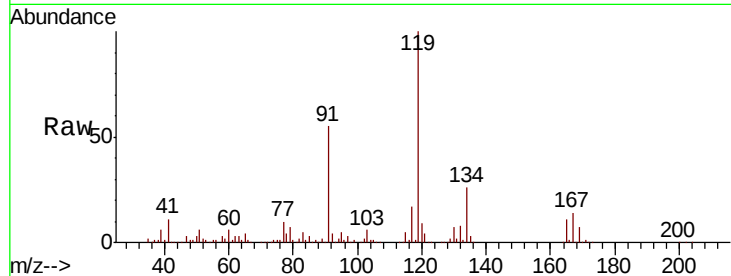
#83
 tert-Butylbenzene
 Concen: 21.47 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283990		
91	56.7		27.0	81.0
134	25.0		11.7	35.1

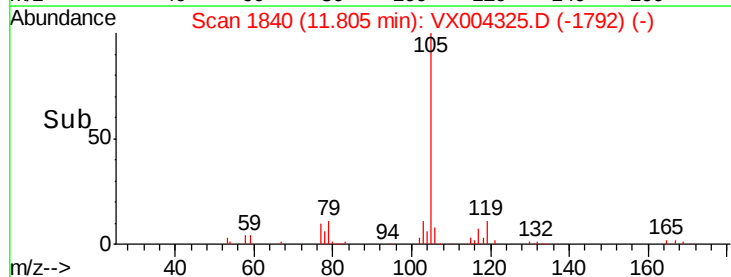
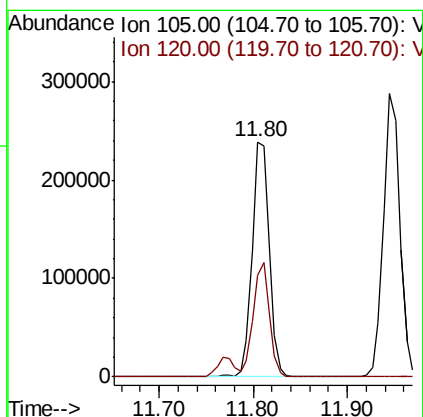
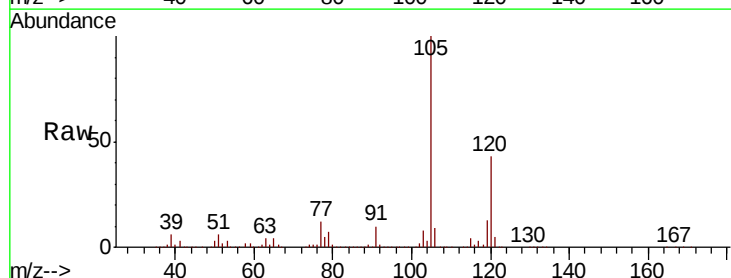
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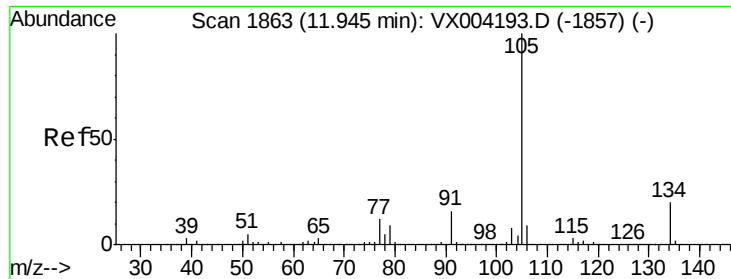
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.81 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307789		
120	46.0		23.2	69.6





#85

sec-Butylbenzene

Concen: 22.35 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBSD01

Tot Ion:105 Resp: 350911

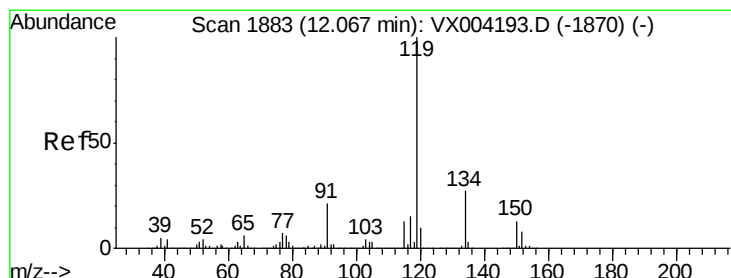
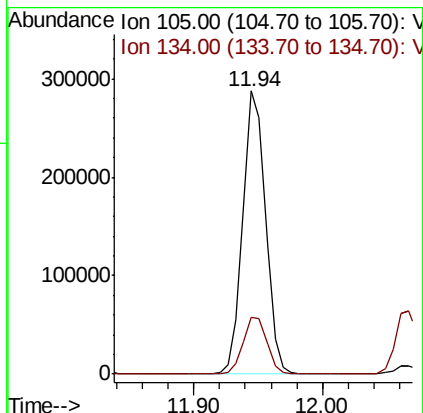
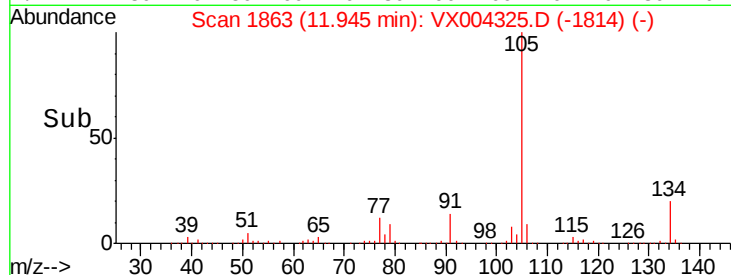
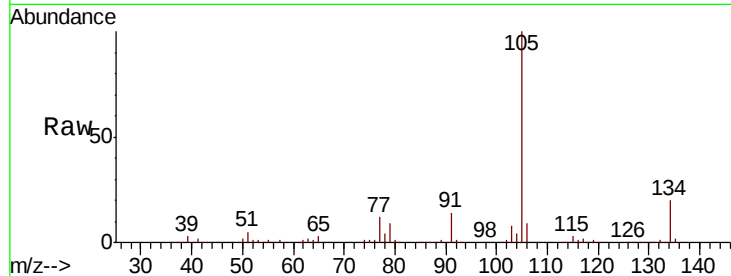
Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 22.18 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

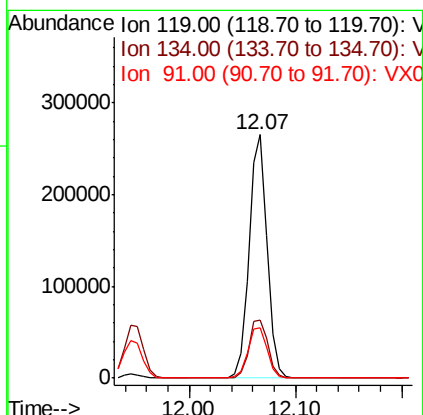
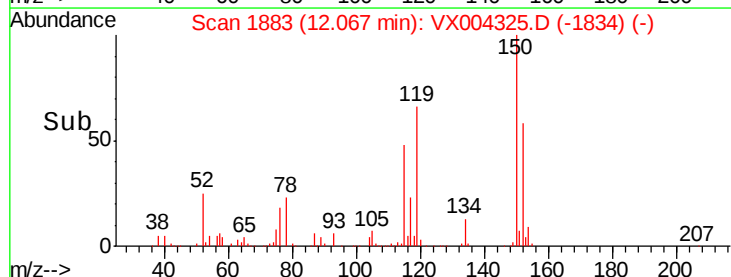
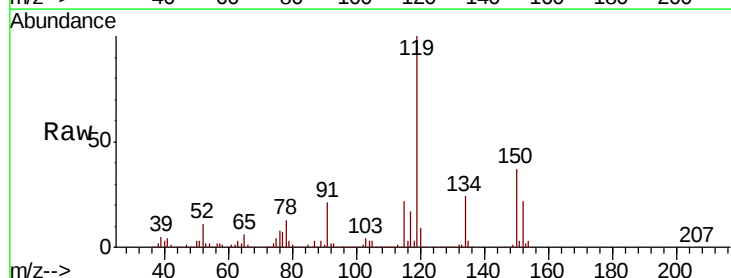
Tgt Ion:119 Resp: 312145

Ion Ratio Lower Upper

119 100

134 25.5 13.4 40.2

91 22.2 10.9 32.7





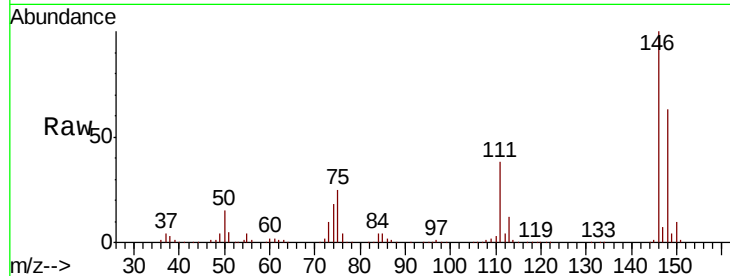
#87
 1,3-Dichlorobenzene
 Concen: 21.10 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.6	32.1	96.5

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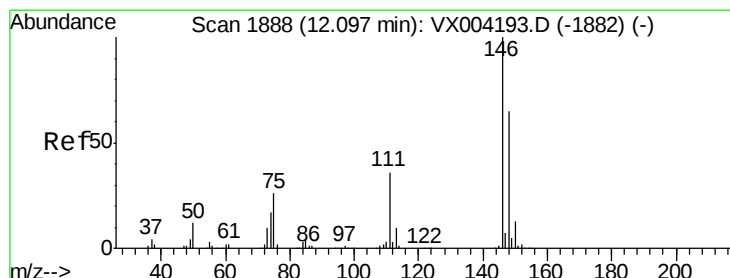
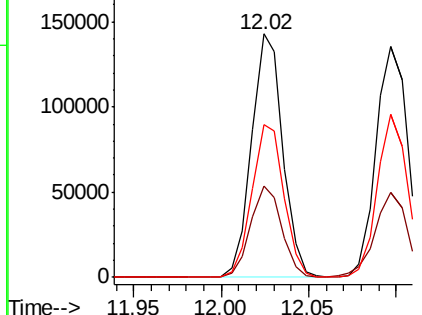
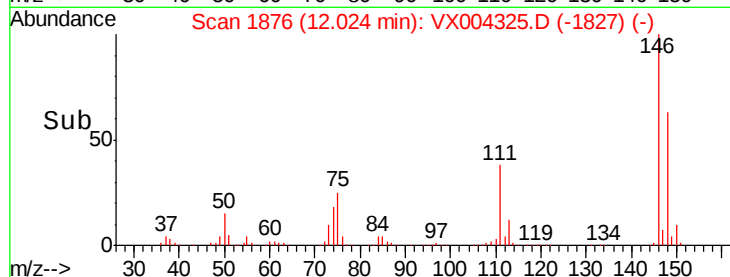


Abundance

Ion 145.90 (145.60 to 146.60): V

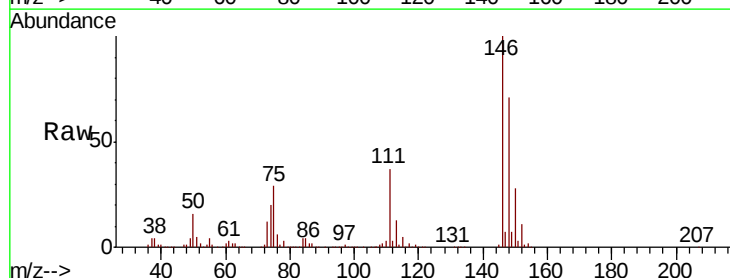
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 19.54 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	66.7	32.0	96.0

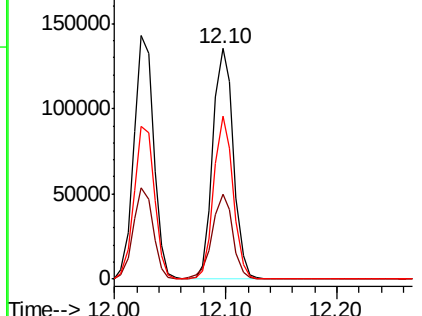
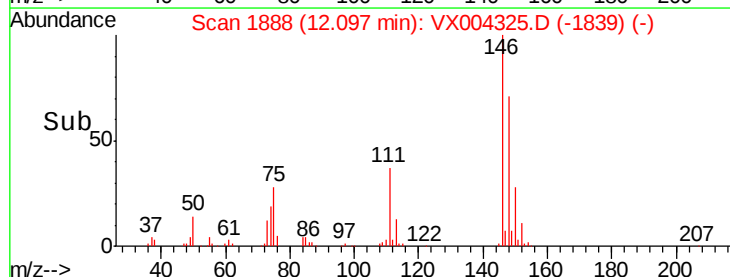


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





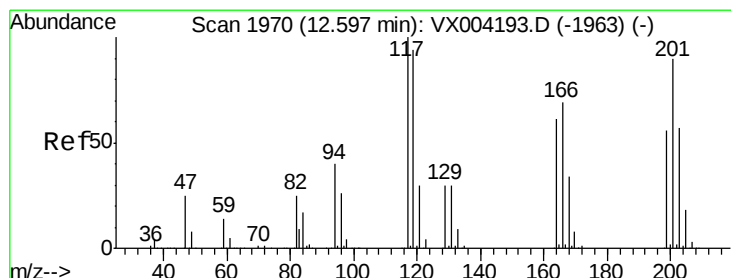
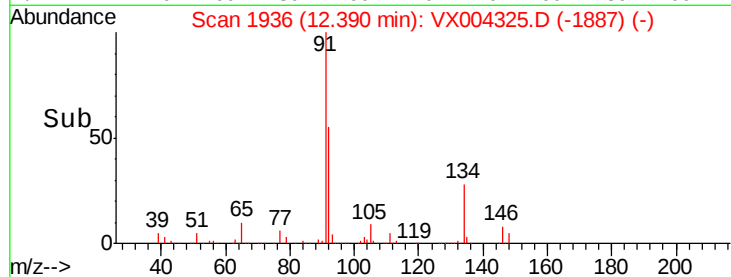
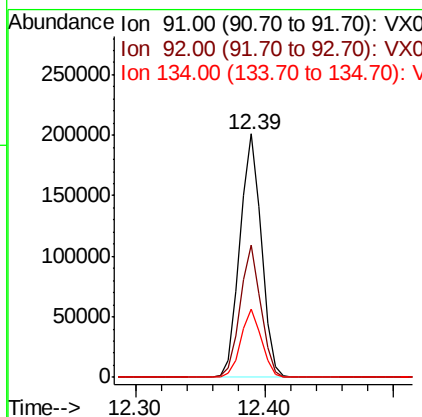
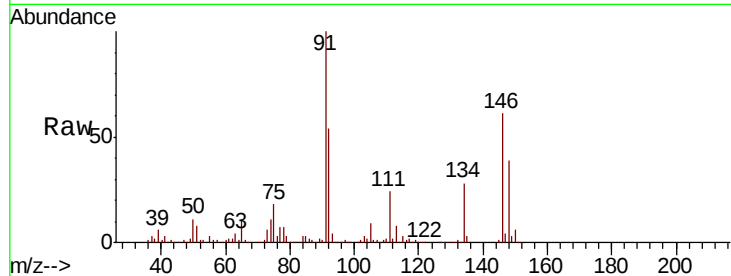
#89
n-Butylbenzene
Concen: 20.38 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	27.3	81.9	
134	26.8	13.6	40.7	

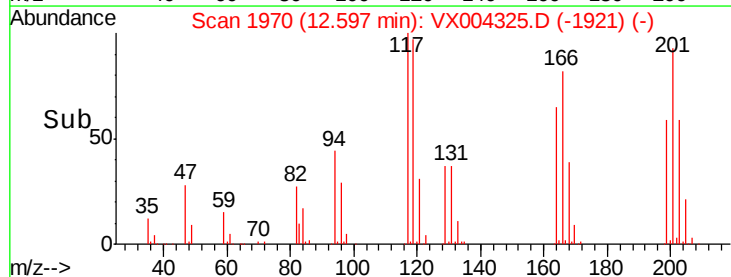
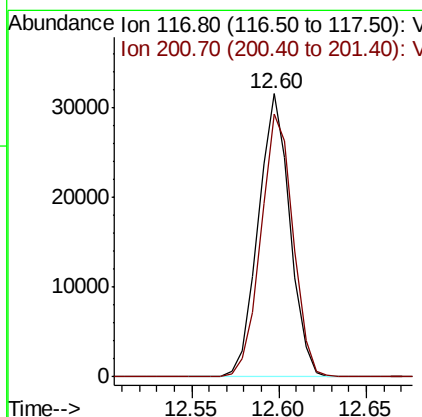
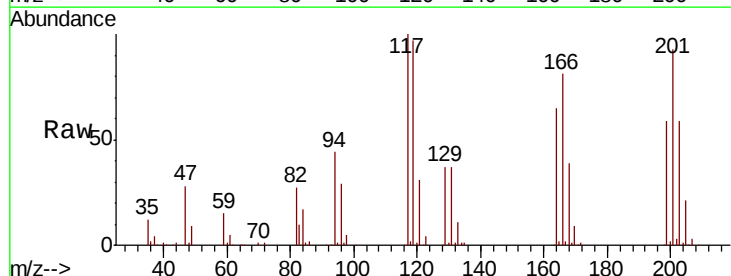
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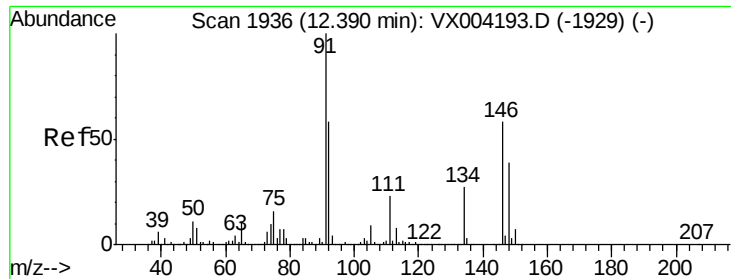
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#90
Hexachloroethane
Concen: 20.37 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004325.D
Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	94.4	46.9	140.6	





#91

1,2-Dichlorobenzene

Concen: 20.65 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

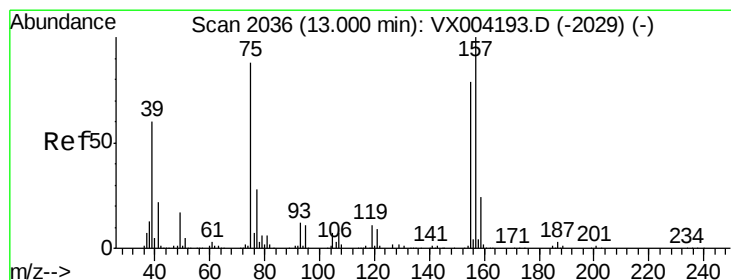
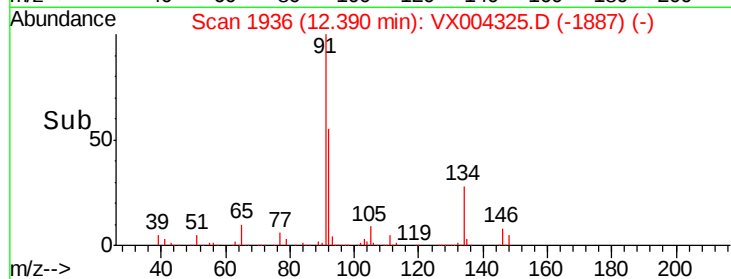
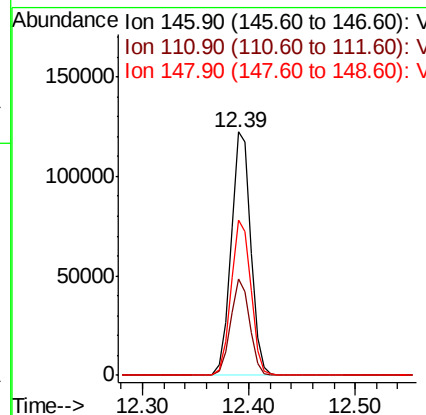
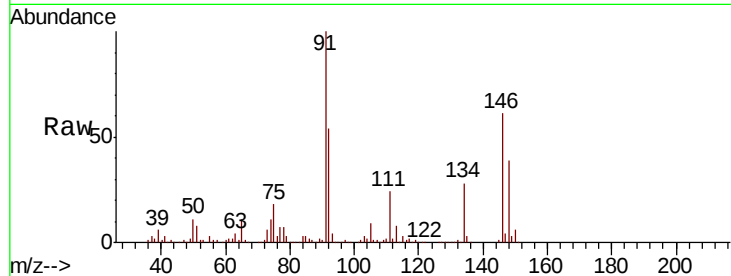
ClientSampleId :

VX0830WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	64.2	32.8	98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.98 ug/l

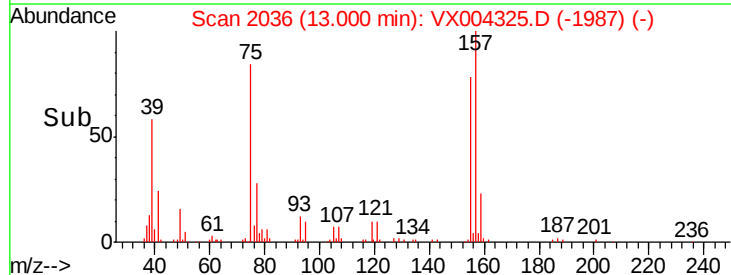
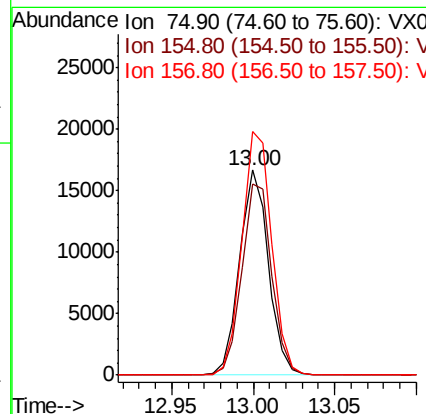
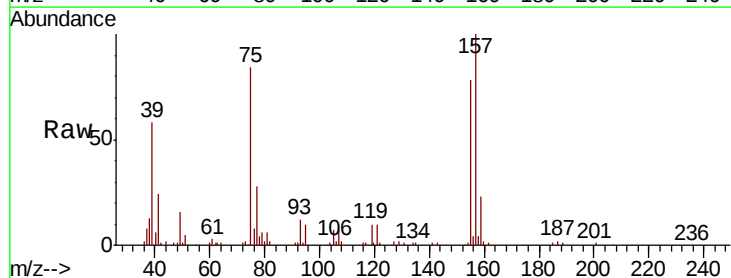
RT: 13.00 min Scan# 2036

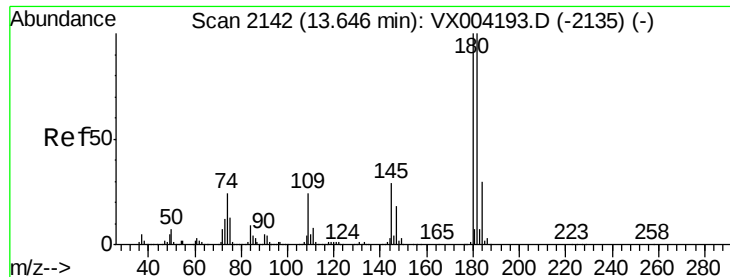
Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	48.0	144.2
157	123.1	61.4	184.1





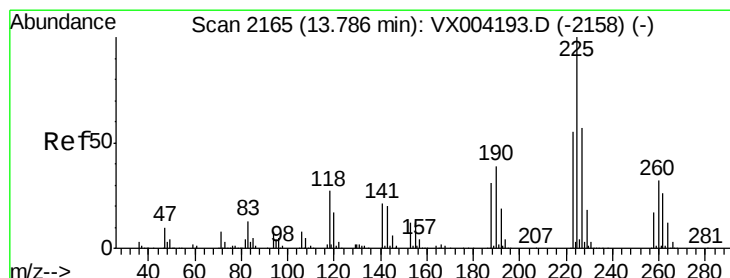
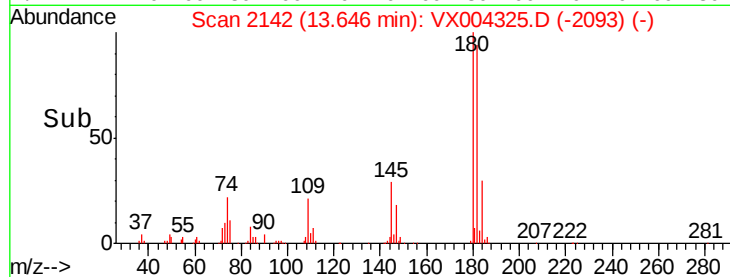
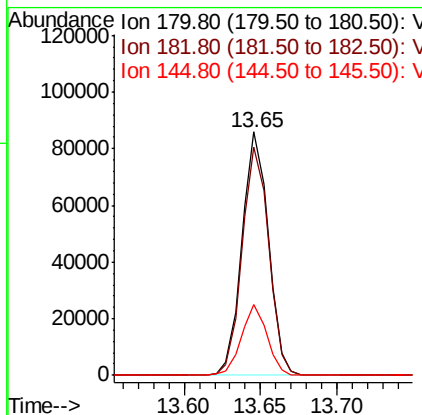
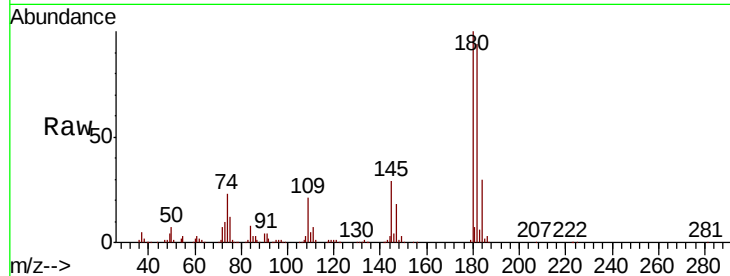
#93
 1,2,4-Trichlorobenzene
 Concen: 18.52 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Tot Ion:	180	Resp:	103257
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.4	145.0
145	28.1	14.3	42.9

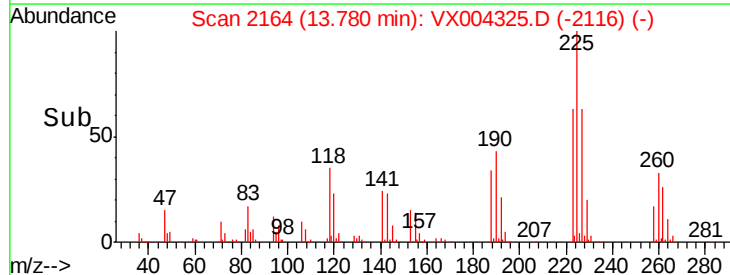
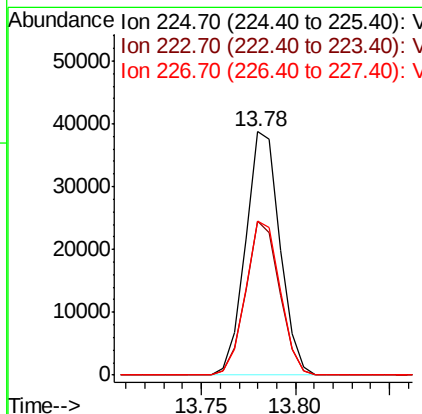
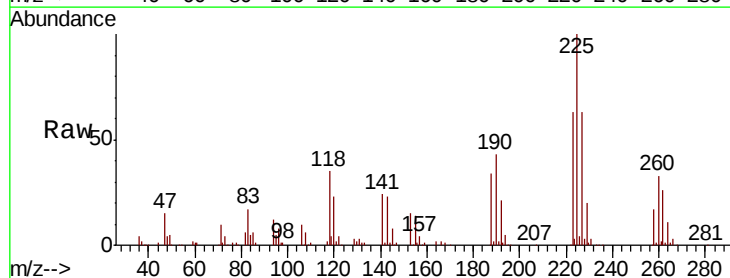
Manual Integrations
 APPROVED

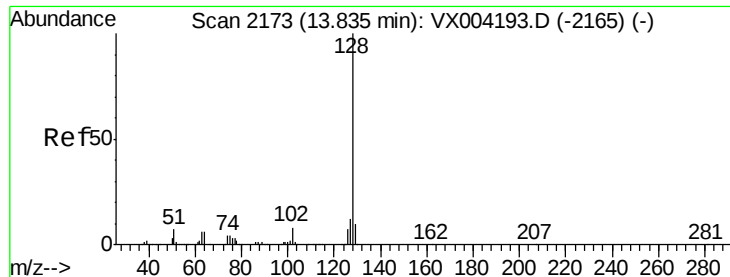
MMDadoda
 8/31/2018 4:30:21 PM



#94
 Hexachlorobutadiene
 Concen: 18.78 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004325.D
 Acq: 30 Aug 2018 18:13

Tgt Ion:	225	Resp:	48933
Ion Ratio	Lower	Upper	
225	100		
223	62.4	30.1	90.5
227	63.6	30.8	92.4





#95

Naphthalene

Concen: 19.73 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Instrument :

MSVOA_X

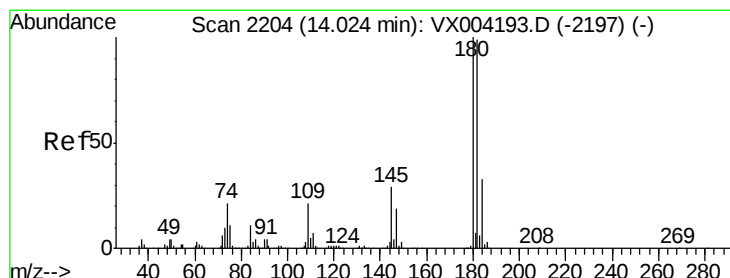
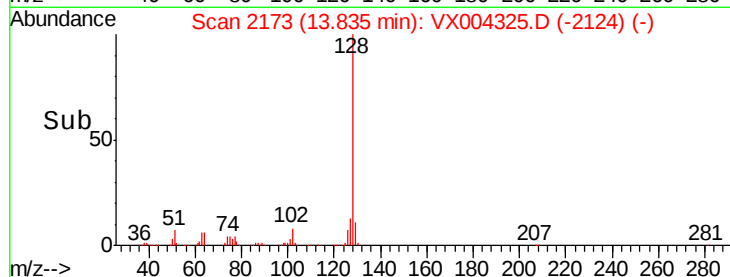
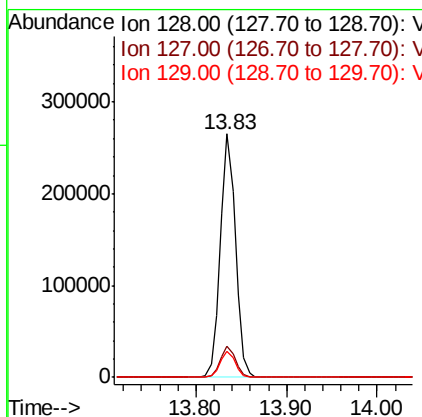
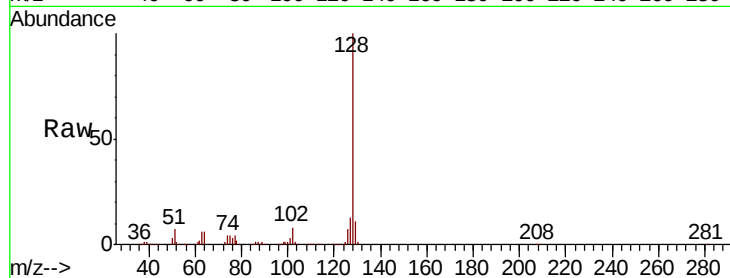
ClientSampled :

VX0830WBSD01

Tot Ion:	128	Resp:	311034
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/31/2018 4:30:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.30 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004325.D

Acq: 30 Aug 2018 18:13

Tgt Ion:	180	Resp:	108007
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.5	145.6
145	29.8	14.9	44.9

