

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002298.D
 Acq On : 05 Jun 2018 11:50
 Operator : JC/MD
 Sample : VX0605WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2018 4:10:41 PM

Quant Time: Jun 06 04:56:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	401952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	239692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	192041	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	5.51	113	141921	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	
50) Toluene-d8	8.72	98	570642	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	11.14	95	210990	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63142	21.593	ug/l	99
3) Chloromethane	1.32	50	74003	20.386	ug/l	98
4) Vinyl Chloride	1.41	62	77492	21.027	ug/l	98
5) Bromomethane	1.64	94	49193	21.698	ug/l	97
6) Chloroethane	1.73	64	47740	20.026	ug/l	99
7) Trichlorofluoromethane	1.93	101	125644	22.376	ug/l	98
8) Diethyl Ether	2.19	74	44273	20.788	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72638	23.972	ug/l	98
10) Methyl Iodide	2.51	142	66876	15.691	ug/l	99
11) Tert butyl alcohol	3.06	59	85819	91.556	ug/l	98
12) 1,1-Dichloroethene	2.38	96	63481	21.199	ug/l	96
13) Acrolein	2.29	56	42143	99.648	ug/l	97
14) Allyl chloride	2.73	41	124748	19.196	ug/l	98
15) Acrylonitrile	3.15	53	181148	100.000	ug/l	100
16) Acetone	2.45	43	195450	101.598	ug/l	100
17) Carbon Disulfide	2.57	76	149270	18.913	ug/l	99
18) Methyl Acetate	2.78	43	87802	20.178	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	228226	20.474	ug/l	100
20) Methylene Chloride	2.86	84	70647	20.586	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	66907	20.261	ug/l	93
22) Diisopropyl ether	3.87	45	243979	21.629	ug/l	96
23) Vinyl Acetate	3.82	43	1052469	99.902	ug/l	100
24) 1,1-Dichloroethane	3.70	63	129602	20.178	ug/l	99
25) 2-Butanone	4.70	43	245086	88.861	ug/l	99
26) 2,2-Dichloropropane	4.59	77	92187	18.361	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	66448	18.502	ug/l	97
28) Bromochloromethane	5.03	49	57245	18.729	ug/l	99
29) Tetrahydrofuran	5.17	42	153188	86.146	ug/l	99
30) Chloroform	5.22	83	116377	18.777	ug/l	98
31) Cyclohexane	5.58	56	107591	21.183	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	102614	19.522	ug/l	99
36) 1,1-Dichloropropene	5.80	75	85335	20.194	ug/l	98
37) Ethyl Acetate	4.86	43	94214	18.539	ug/l	99
38) Carbon Tetrachloride	5.79	117	89061	20.146	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VX0605WBS01

Manual Integrations
 APPROVED

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 6/6/2018 4:10:41 PM

Quant Time: Jun 06 04:56:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110291	21.278	ug/l	98
40) Benzene	6.15	78	260180	20.081	ug/l	99
41) Methacrylonitrile	5.06	41	53664	18.447	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101121	19.644	ug/l	99
43) Isopropyl Acetate	6.46	43	157636	18.263	ug/l	100
44) Trichloroethene	7.21	130	74659	20.762	ug/l	95
45) 1,2-Dichloropropane	7.52	63	68934	19.708	ug/l	95
46) Dibromomethane	7.67	93	44690	18.847	ug/l	98
47) Bromodichloromethane	7.90	83	79958	18.645	ug/l	98
48) Methyl methacrylate	7.78	41	80446	18.554	ug/l	99
49) 1,4-Dioxane	7.76	88	30495	376.168	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	502993	93.576	ug/l	100
52) Toluene	8.79	92	168486	20.446	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	96635	18.790	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	90536	18.659	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	66464	19.610	ug/l	98
56) Ethyl methacrylate	9.18	69	100541	18.580	ug/l	99
57) 1,3-Dichloropropane	9.37	76	111335	19.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	243136	97.081	ug/l	100
59) 2-Hexanone	9.50	43	388000	93.452	ug/l	99
60) Dibromochloromethane	9.59	129	62695	18.391	ug/l	98
61) 1,2-Dibromoethane	9.68	107	69762	19.741	ug/l	100
64) Tetrachloroethene	9.34	164	85234	21.653	ug/l	97
65) Chlorobenzene	10.14	112	192502	20.269	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	66352	19.295	ug/l	99
67) Ethyl Benzene	10.26	91	333005	20.952	ug/l	99
68) m/p-Xylenes	10.37	106	256140	41.457	ug/l	100
69) o-Xylene	10.70	106	125045	20.338	ug/l	100
70) Styrene	10.71	104	204069	20.303	ug/l	100
71) Bromoform	10.86	173	46249	17.436	ug/l #	98
73) Isopropylbenzene	11.02	105	341658	20.490	ug/l	100
74) N-amyl acetate	6.46	43	157636	17.545	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	94355	17.992	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	85239m	16.207	ug/l	
77) Bromobenzene	11.26	156	90194	19.268	ug/l	100
78) n-propylbenzene	11.37	91	393907	21.254	ug/l	100
79) 2-Chlorotoluene	11.43	91	228027	19.486	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	290277	20.297	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	23836	15.886	ug/l	91
82) 4-Chlorotoluene	11.52	91	271476	20.098	ug/l	100
83) tert-Butylbenzene	11.77	119	282750	20.303	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	300481	20.410	ug/l	100
85) sec-Butylbenzene	11.95	105	357012	21.867	ug/l	99
86) p-Isopropyltoluene	12.07	119	318131	21.392	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	166469	19.889	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	167811	19.451	ug/l	99
89) n-Butylbenzene	12.40	91	275196	22.064	ug/l	100
90) Hexachloroethane	12.60	117	43244	18.216	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	170031	19.634	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19541	17.039	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

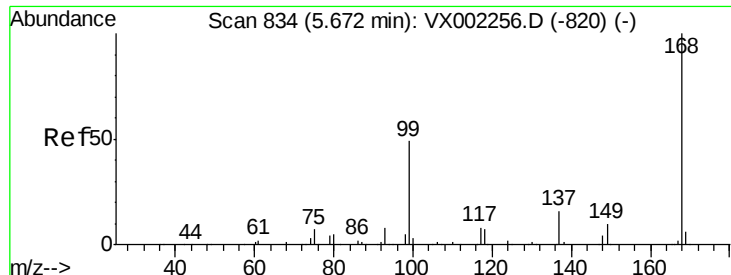
Manual Integrations
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Quant Time: Jun 06 04:56:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122801	20.223	ug/l	100
94) Hexachlorobutadiene	13.79	225	67651	22.546	ug/l	99
95) Naphthalene	13.84	128	337804	19.362	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125771	20.309	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:168 Resp: 281294

Ion Ratio Lower Upper

168 100

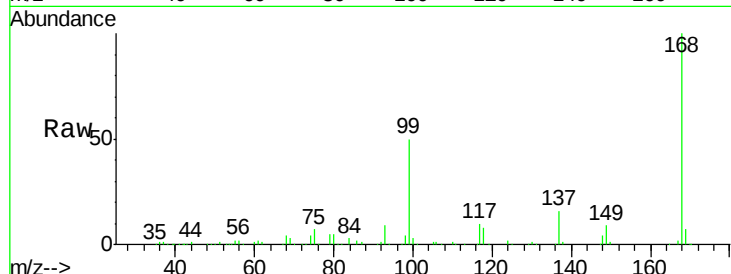
99 49.8 39.3 58.9

Manual Integrations

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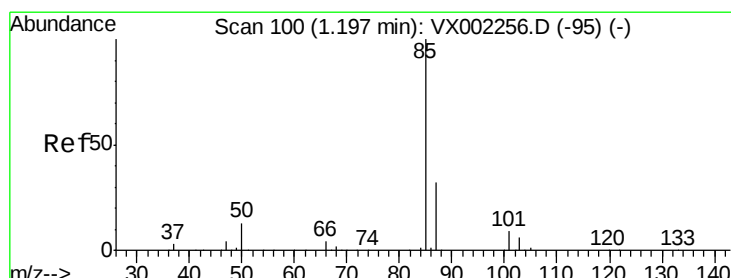
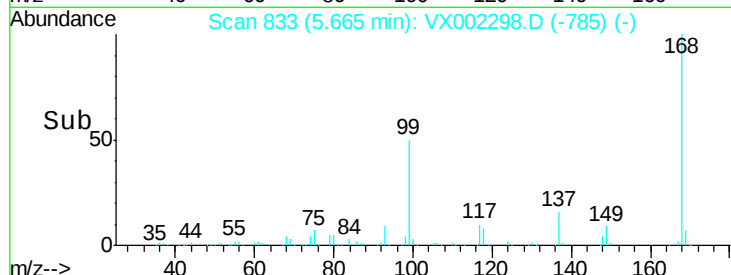
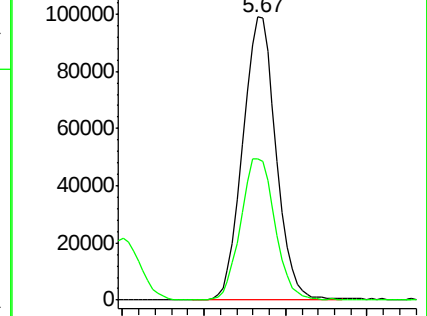
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.593 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002298.D

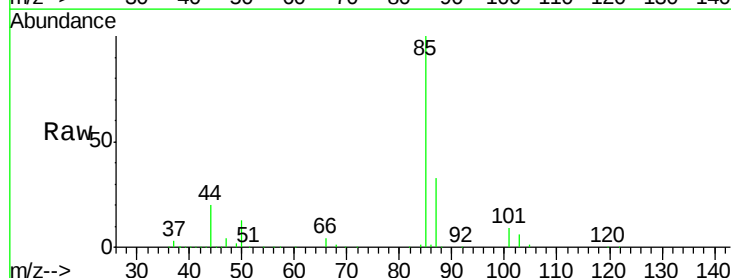
Acq: 05 Jun 2018 11:50

Tgt Ion: 85 Resp: 63142

Ion Ratio Lower Upper

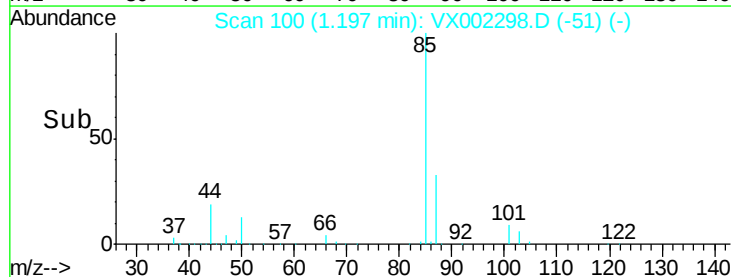
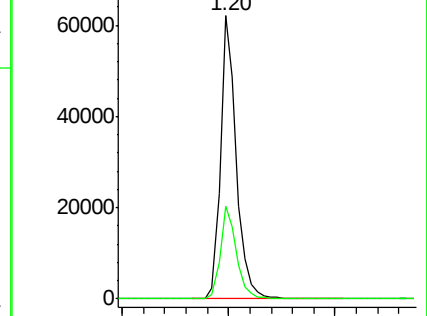
85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





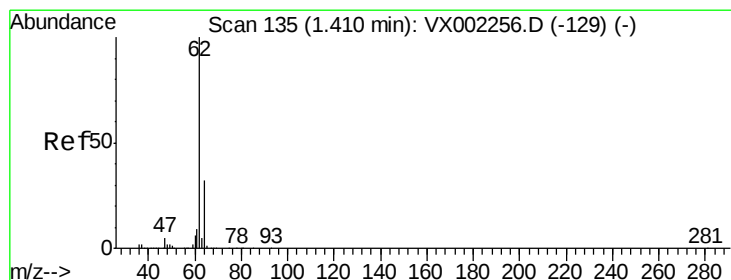
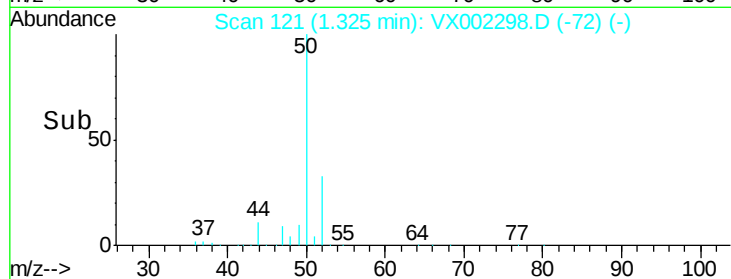
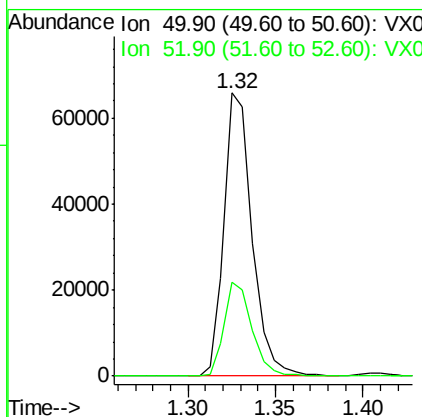
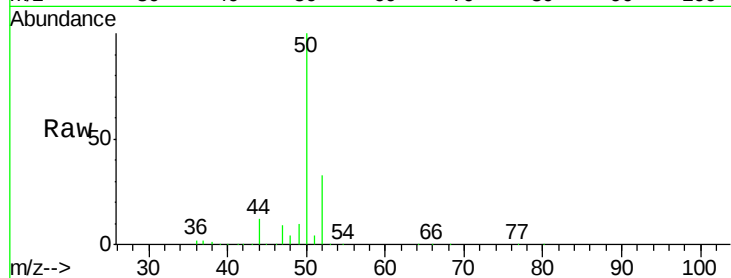
#3
Chloromethane
Concen: 20.386 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion: 50 Resp: 74003
Ion Ratio Lower Upper
50 100
52 33.0 25.7 38.5

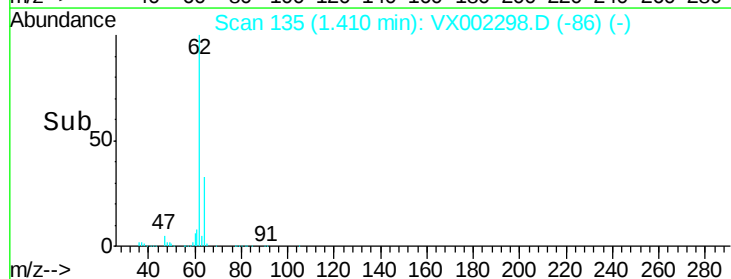
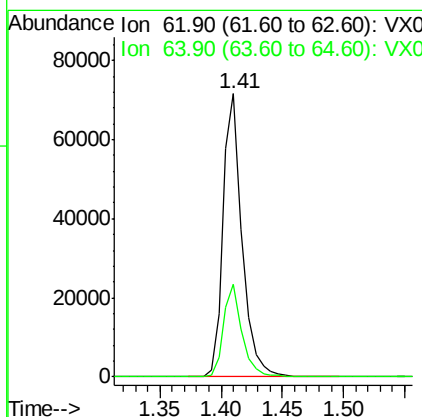
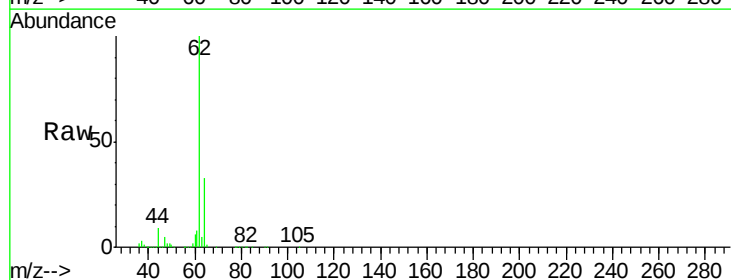
Manual Integrations
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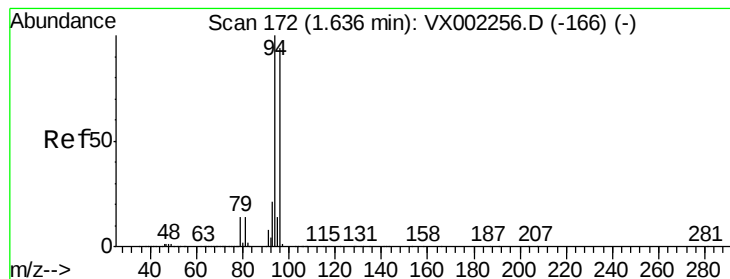
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#4
Vinyl Chloride
Concen: 21.027 ug/l
RT: 1.41 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 62 Resp: 77492
Ion Ratio Lower Upper
62 100
64 32.8 25.4 38.2





#5

Bromomethane

Concen: 21.698 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 94 Resp: 49193

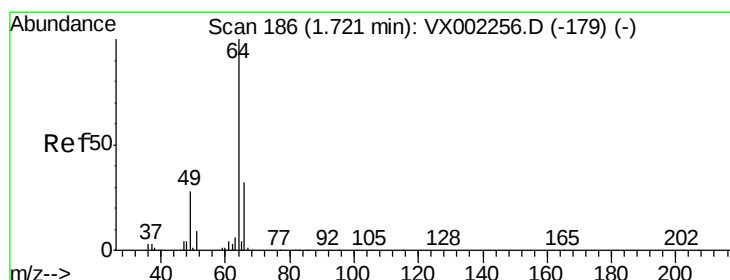
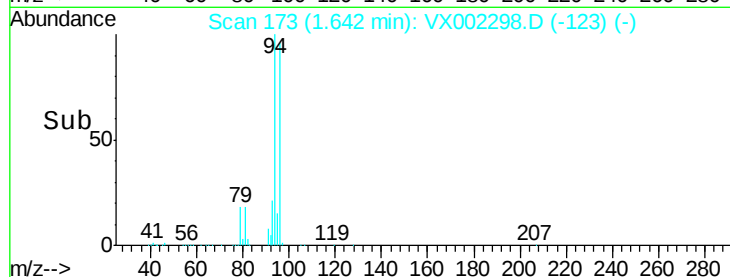
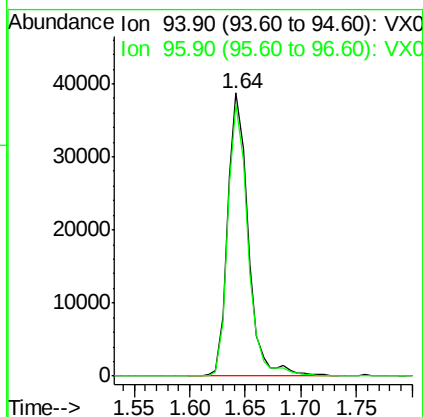
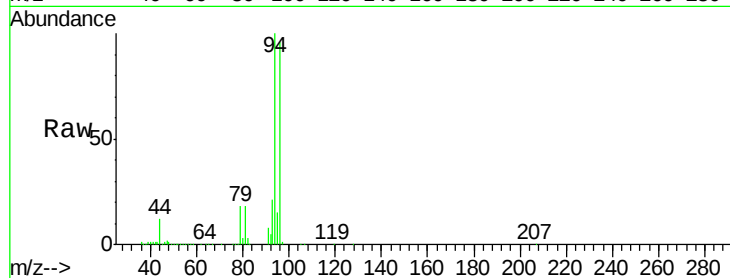
Ion Ratio Lower Upper

94 100

96 96.1 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 20.026 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002298.D

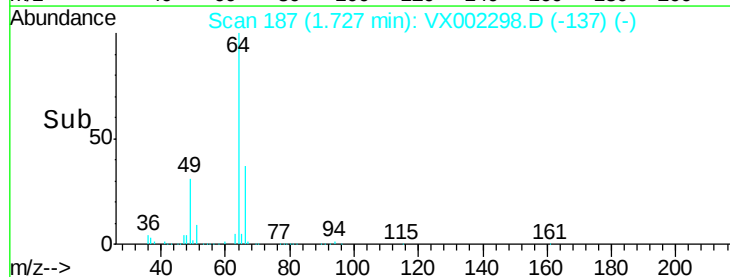
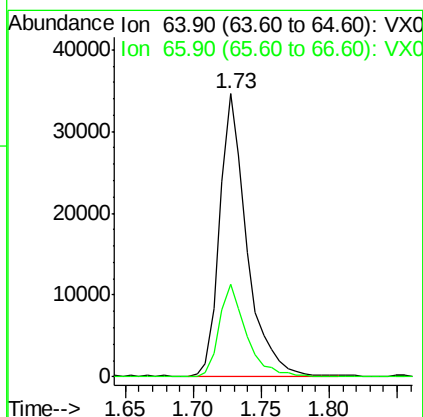
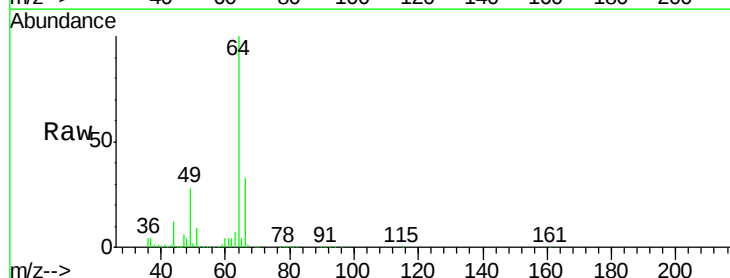
Acq: 05 Jun 2018 11:50

Tgt Ion: 64 Resp: 47740

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3





#7

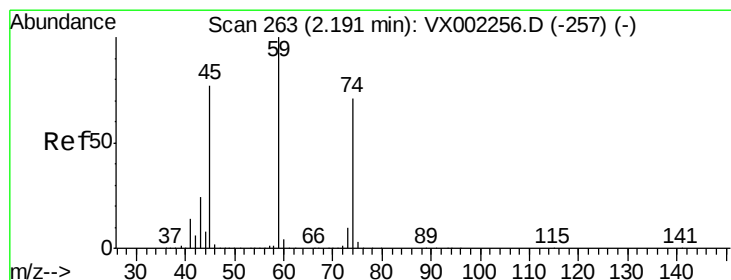
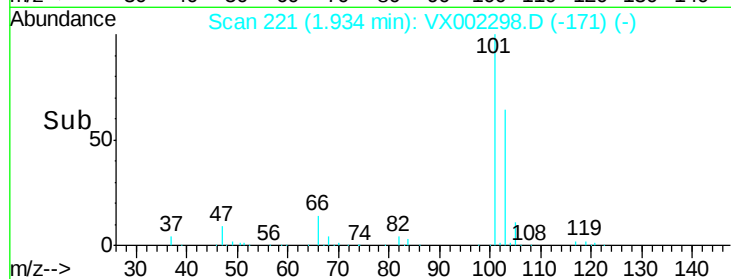
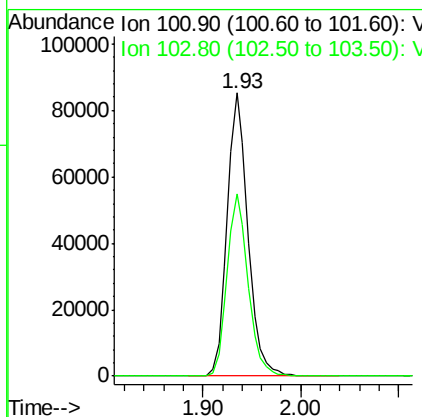
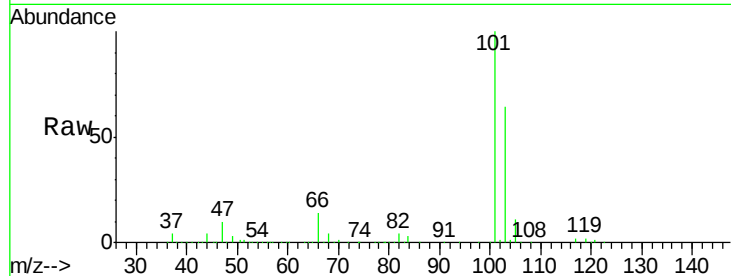
Trichlorofluoromethane
Concen: 22.376 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

Manual Integrations
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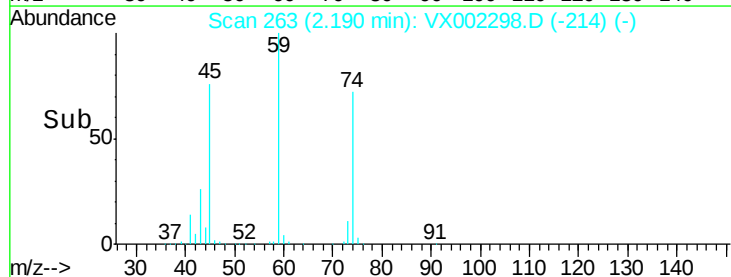
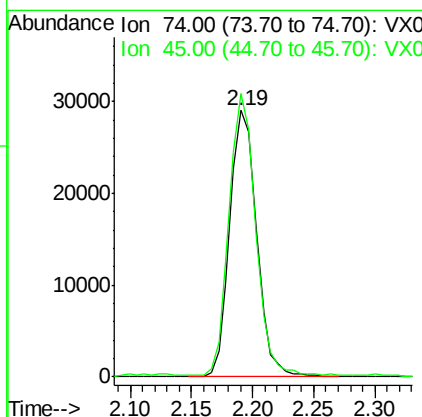
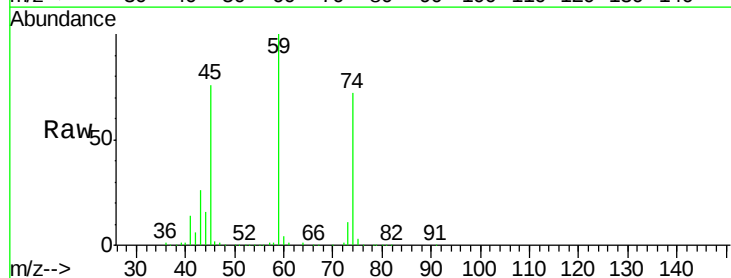
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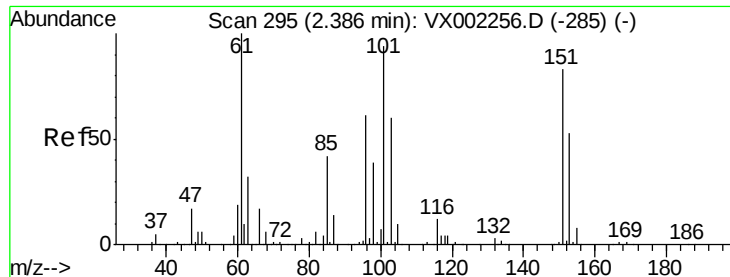


#8

Diethyl Ether
Concen: 20.788 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.972 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

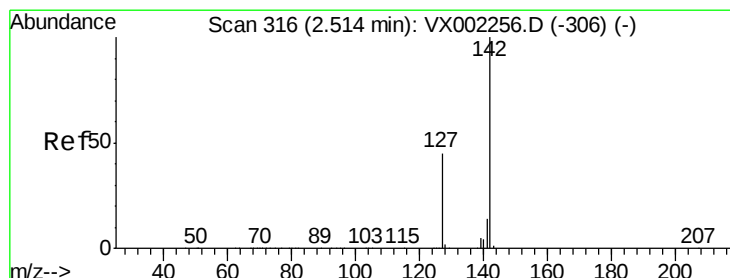
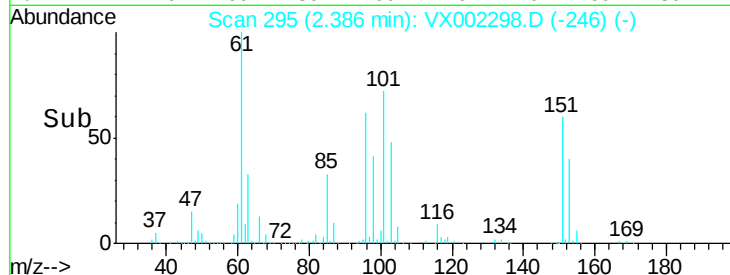
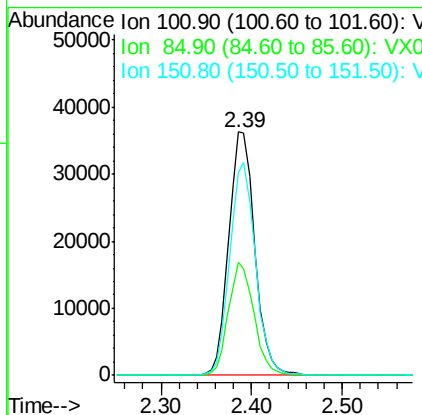
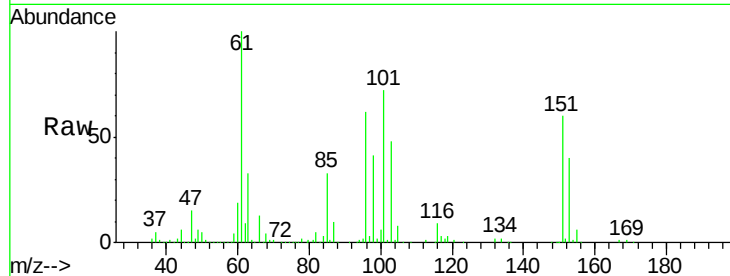
ClientSampleId :

VX0605WBS01

Tot Ion:	101	Resp:	72638
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.0	54.0
151	86.4	70.9	106.3

Manual Integrations
APPROVED

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6/6/2018 4:10:41 PM



#10

Methyl Iodide

Concen: 15.691 ug/l

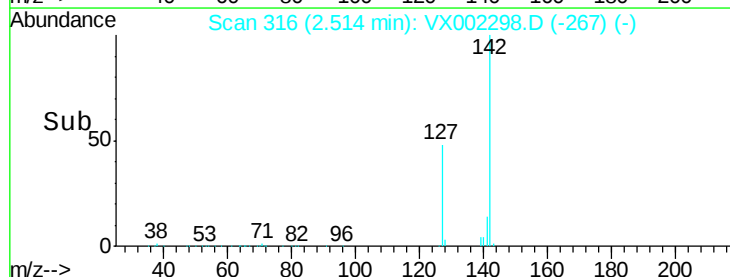
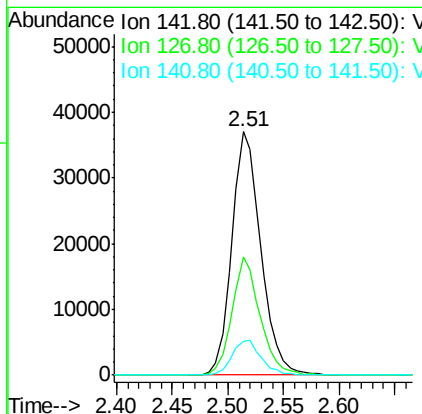
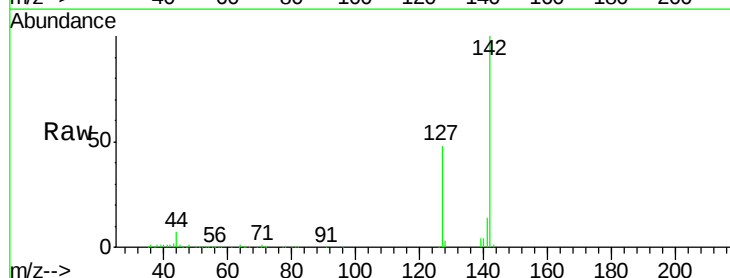
RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion:	142	Resp:	66876
Ion Ratio	Lower	Upper	
142	100		
127	46.7	36.6	55.0
141	14.4	11.3	16.9





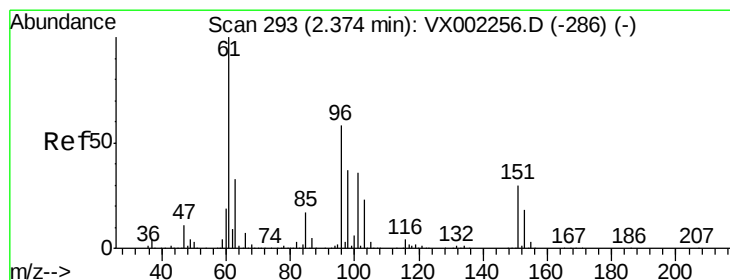
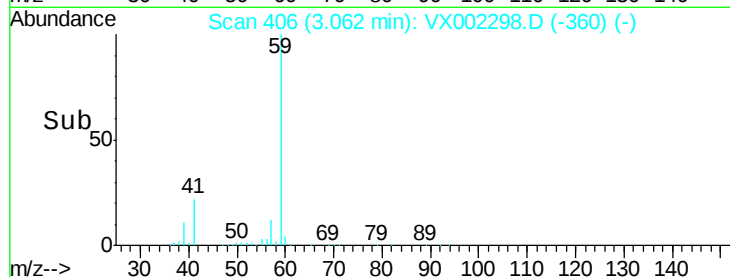
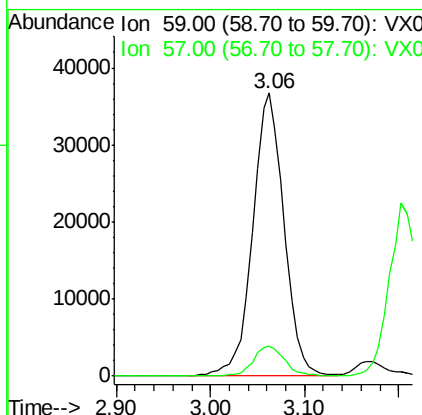
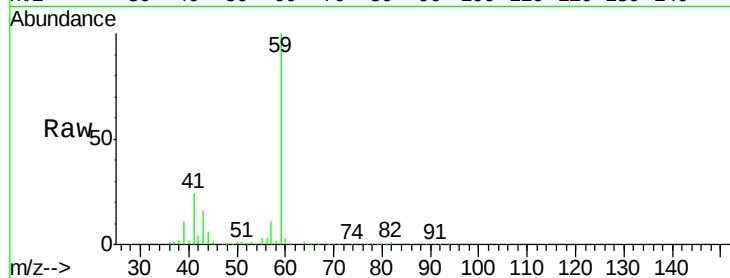
#11
Tert butyl alcohol
Concen: 91.556 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampled :
VX0605WBS01

Tot Ion: 59 Resp: 85819
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

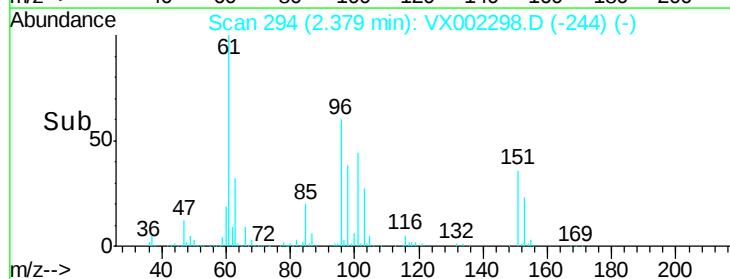
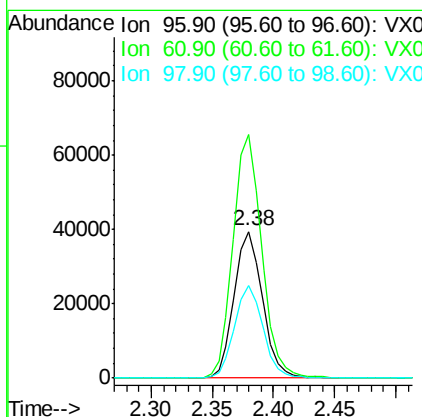
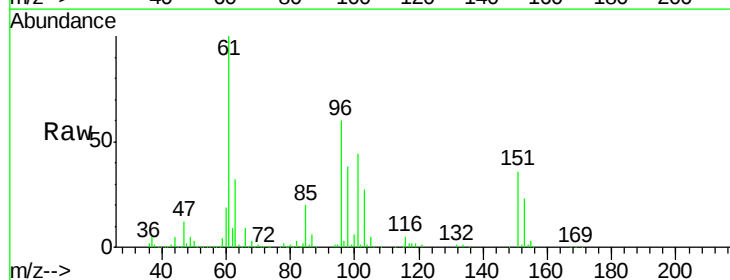
Manual Integrations
APPROVED

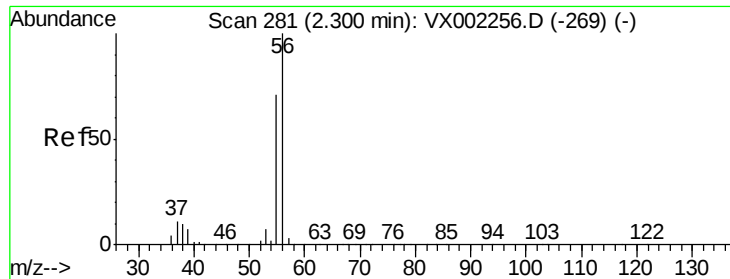
MMDadoda
6/6/2018 4:10:41 PM



#12
1,1-Dichloroethene
Concen: 21.199 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 96 Resp: 63481
Ion Ratio Lower Upper
96 100
61 165.7 137.9 206.9
98 63.4 51.6 77.4





#13

Acrolein

Concen: 99.648 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 56 Resp: 42143

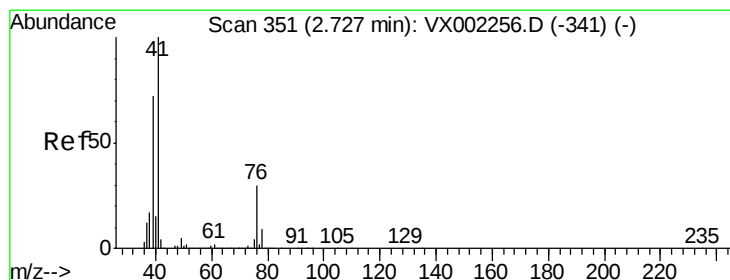
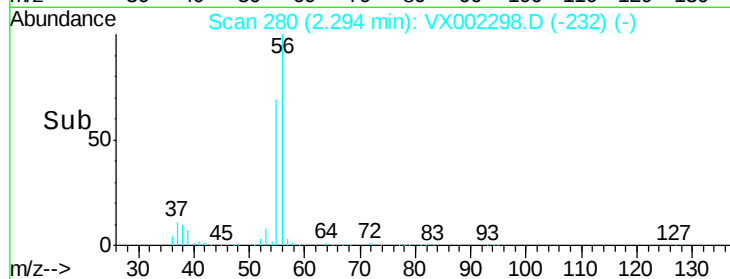
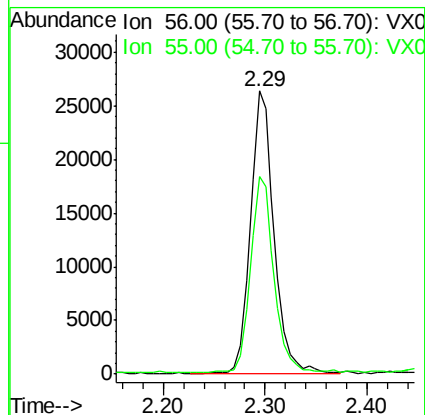
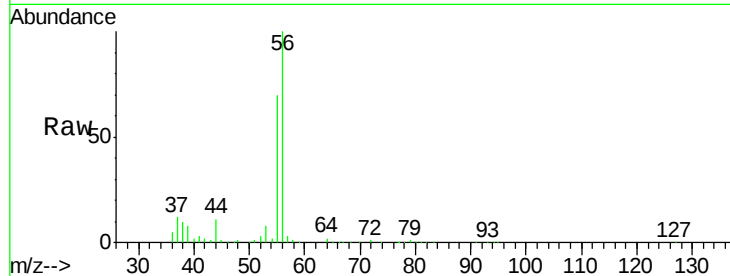
Ion Ratio Lower Upper

56 100

55 68.8 57.0 85.4

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6/6/2018 4:10:41 PM



#14

Allyl chloride

Concen: 19.196 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

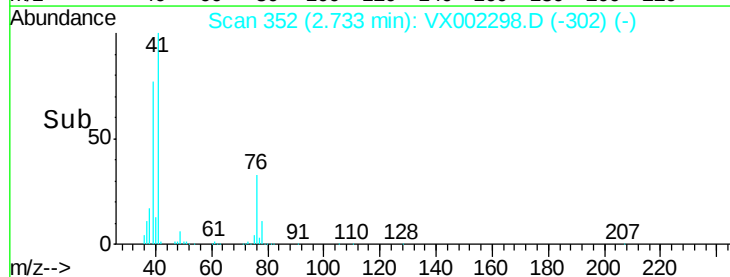
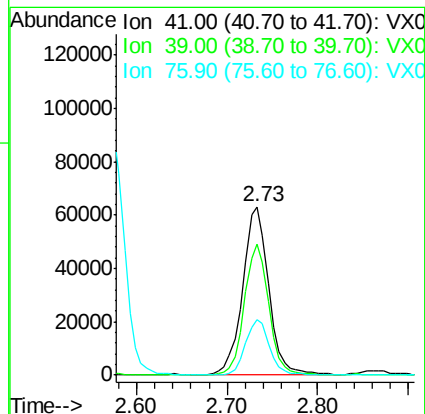
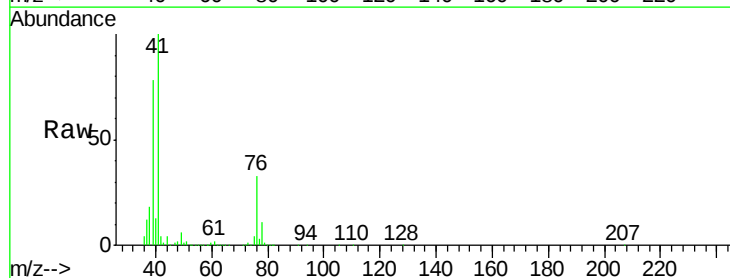
Tgt Ion: 41 Resp: 124748

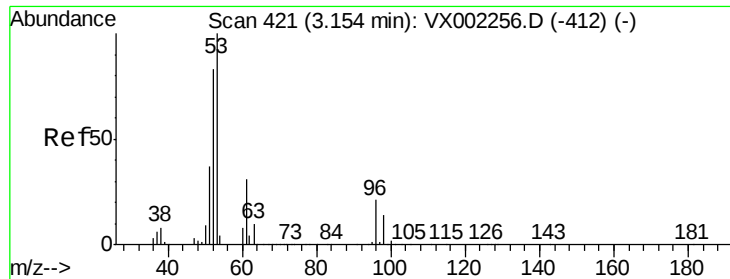
Ion Ratio Lower Upper

41 100

39 72.5 56.8 85.2

76 30.4 23.8 35.8





#15

Acrylonitrile

Concen: 100.000 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

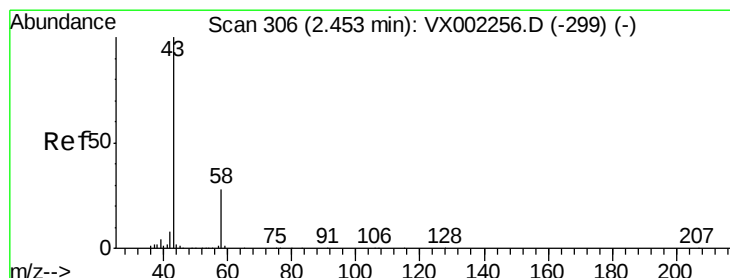
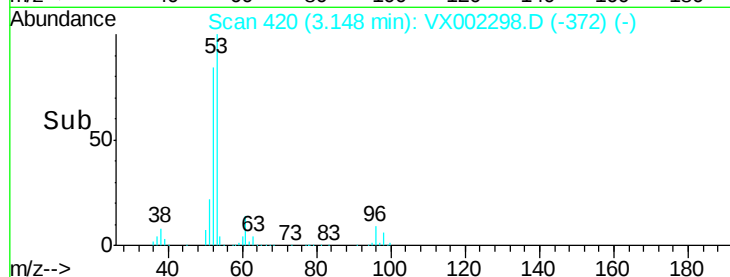
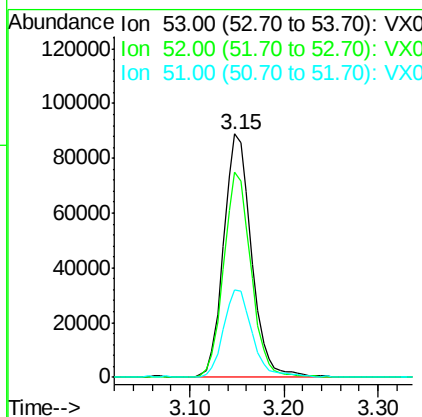
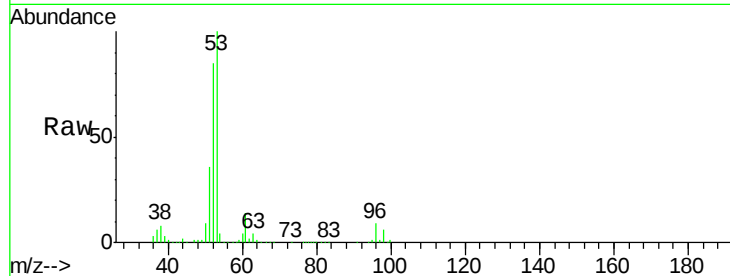
ClientSampleId :

VX0605WBS01

Tot Ion:	53	Resp:	181148
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.7	100.1
51	37.7	29.9	44.9

Manual Integrations
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6/6/2018 4:10:41 PM



#16

Acetone

Concen: 101.598 ug/l

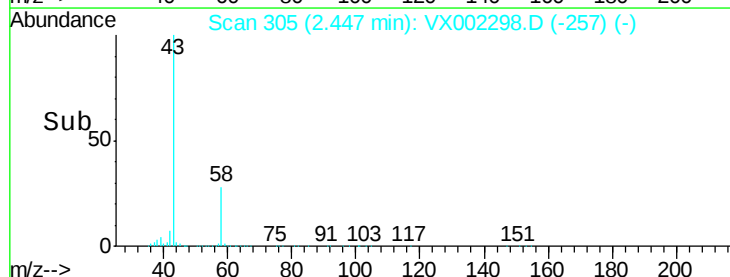
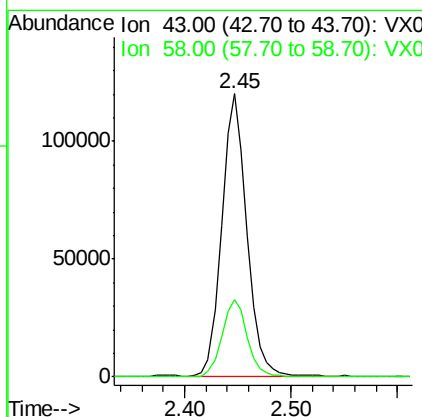
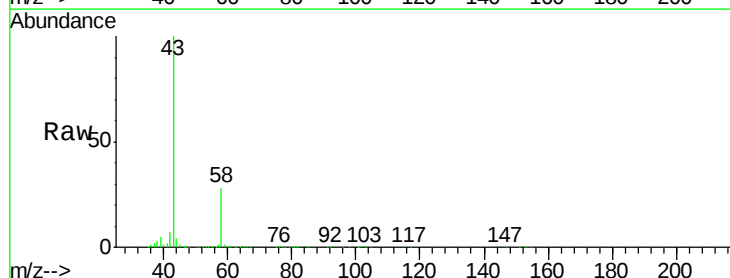
RT: 2.45 min Scan# 305

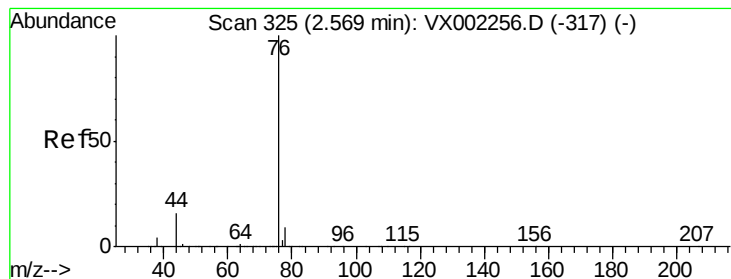
Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion:	43	Resp:	195450
Ion Ratio		Lower	Upper
43	100		
58	27.5	22.1	33.1





#17

Carbon Disulfide

Concen: 18.913 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS01

Tot Ion: 76 Resp: 149270

Ion Ratio Lower Upper

76 100

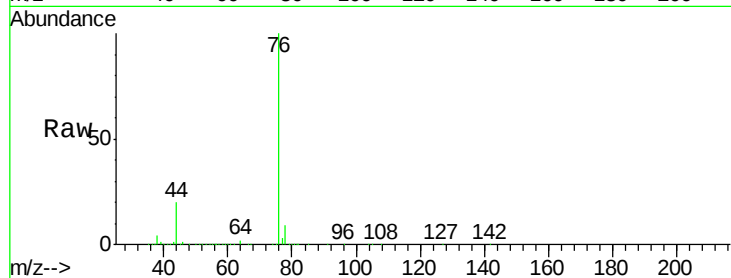
78 8.8 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

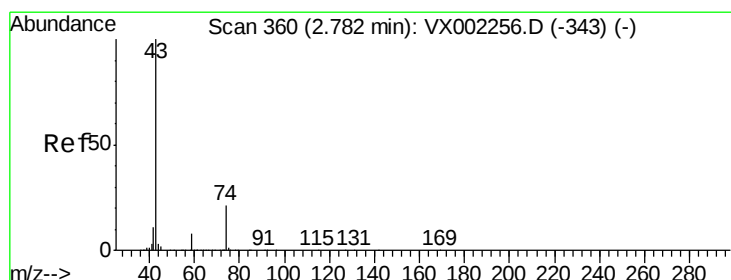
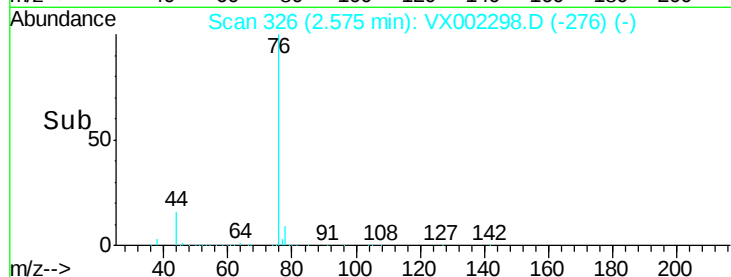
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.178 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002298.D

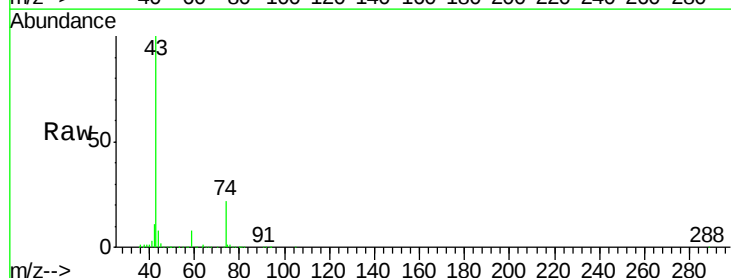
Acq: 05 Jun 2018 11:50

Tgt Ion: 43 Resp: 87802

Ion Ratio Lower Upper

43 100

74 21.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

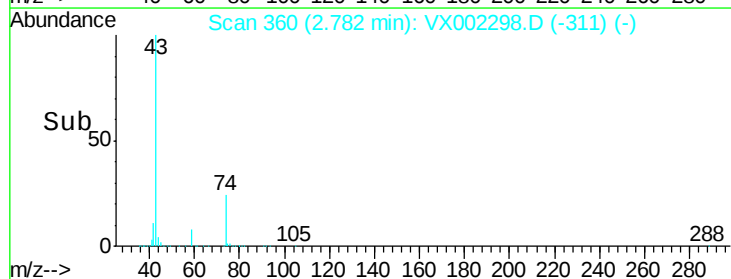
30000

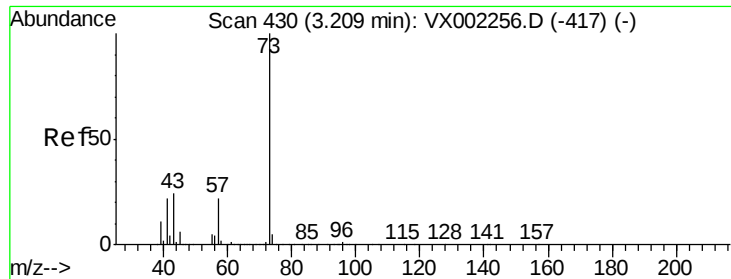
20000

10000

0

Time-->





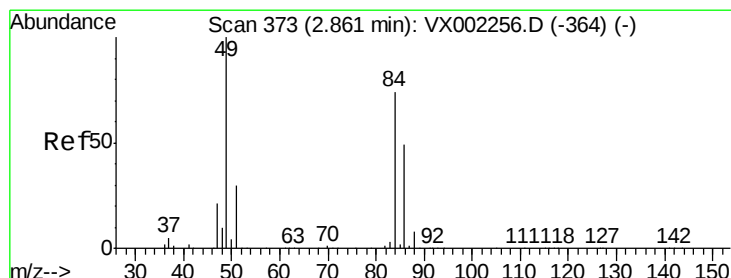
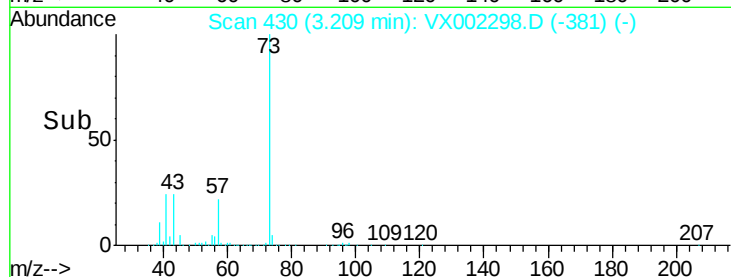
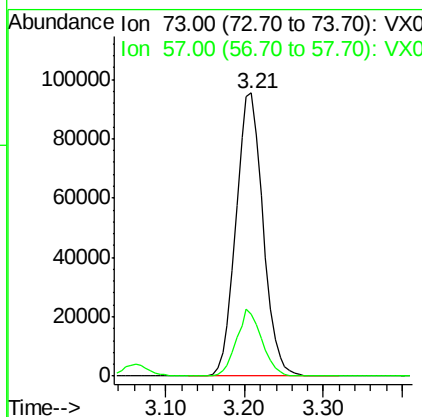
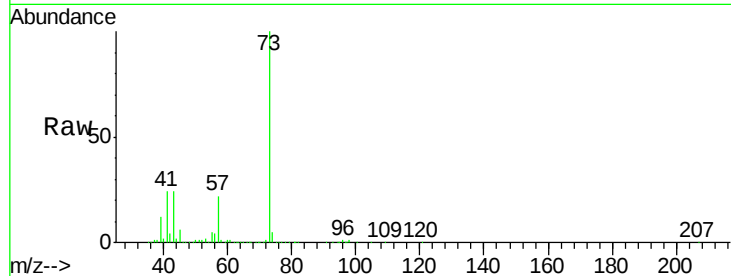
#19
Methyl tert-butyl Ether
Concen: 20.474 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

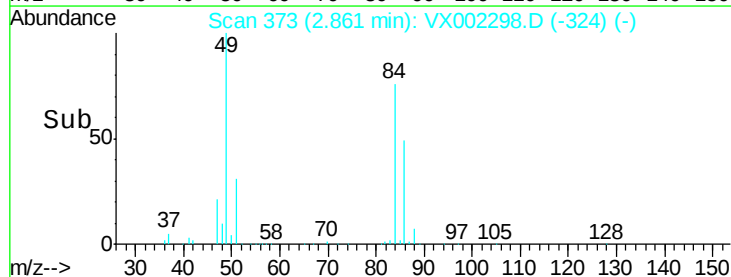
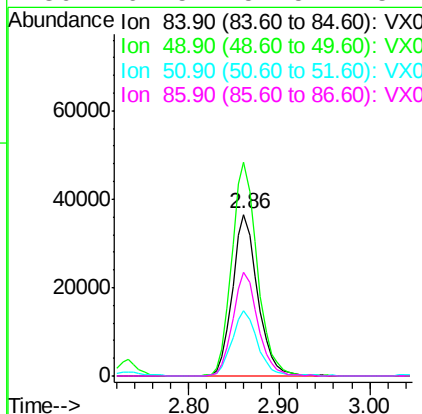
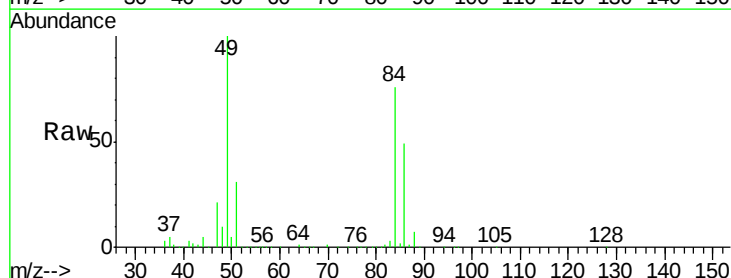
Manual Integrations
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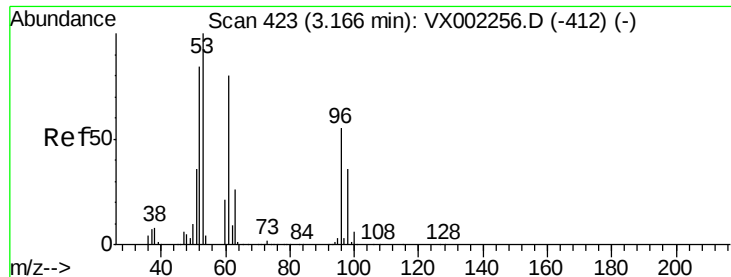
MMDadoda
6/6/2018 4:10:41 PM



#20
Methylene Chloride
Concen: 20.586 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.2	107.8	161.6
51	40.4	32.8	49.2
86	64.5	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.261 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

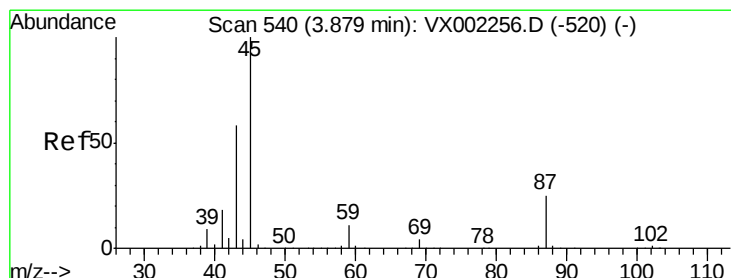
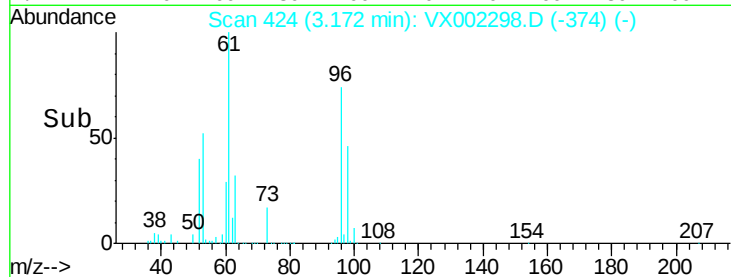
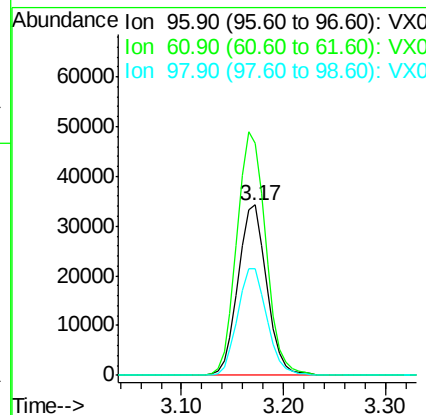
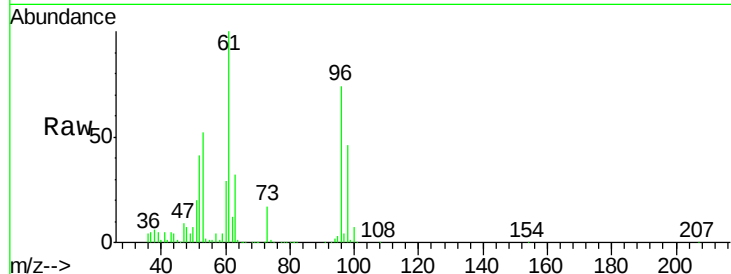
ClientSampleId :

VX0605WBS01

Tot Ion:	96	Resp:	66907
Ion	Ratio	Lower	Upper
96	100		
61	135.6	117.0	175.4
98	62.3	52.4	78.6

Manual Integrations
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6/6/2018 4:10:41 PM



#22

Diisopropyl ether

Concen: 21.629 ug/l

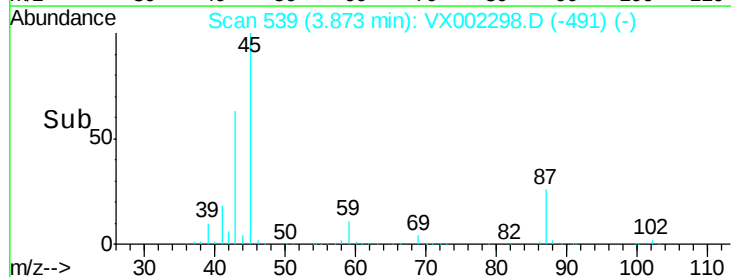
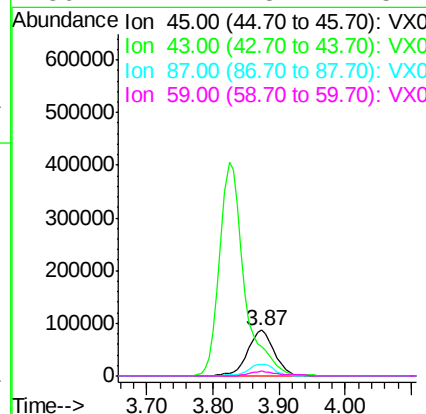
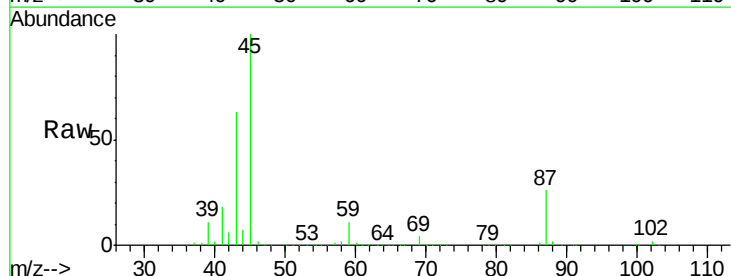
RT: 3.87 min Scan# 539

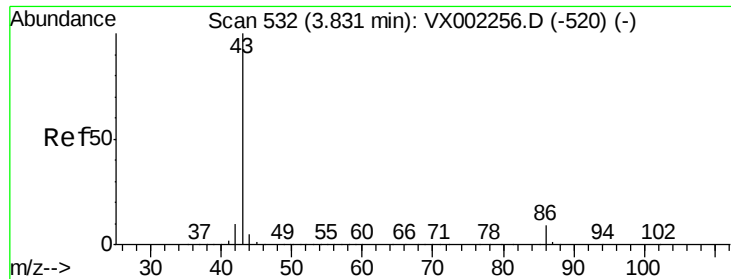
Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion:	45	Resp:	243979
Ion	Ratio	Lower	Upper
45	100		
43	63.0	46.8	70.2
87	26.0	20.2	30.4
59	11.2	8.7	13.1





#23

Vinyl Acetate

Concen: 99.902 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 43 Resp: 1052469

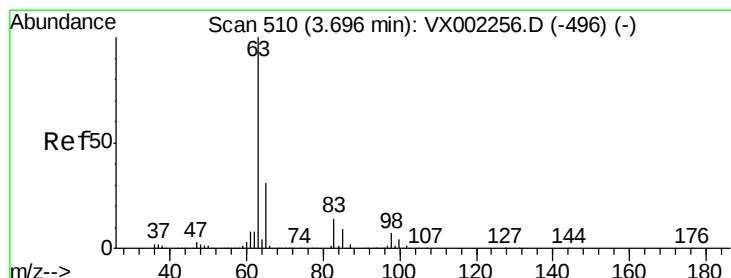
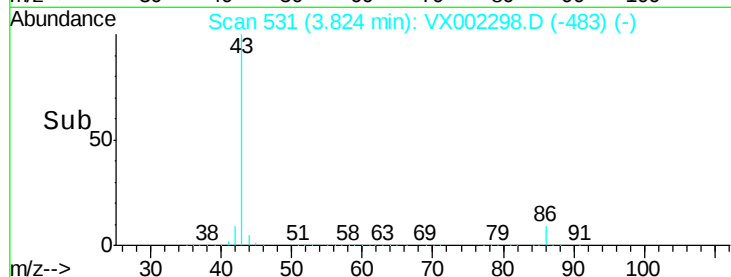
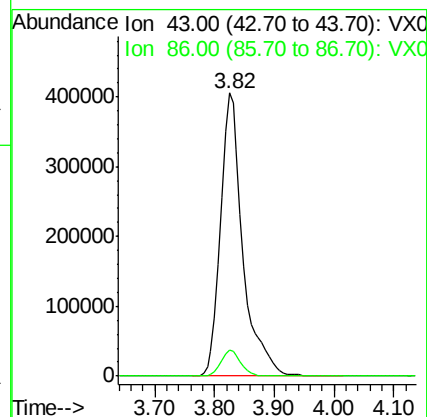
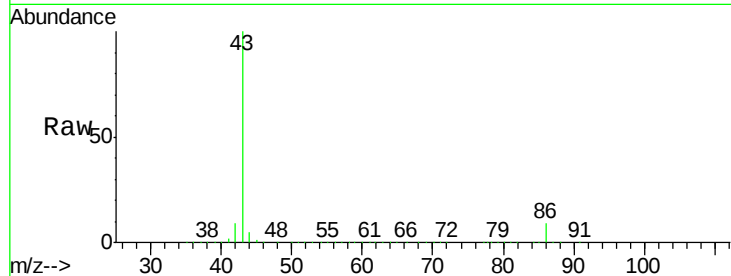
Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0

Manual Integrations
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6/6/2018 4:10:41 PM



#24

1,1-Dichloroethane

Concen: 20.178 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

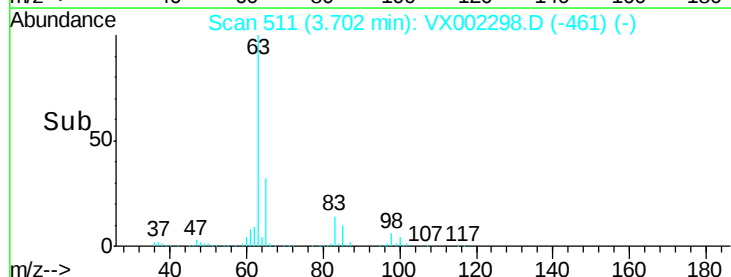
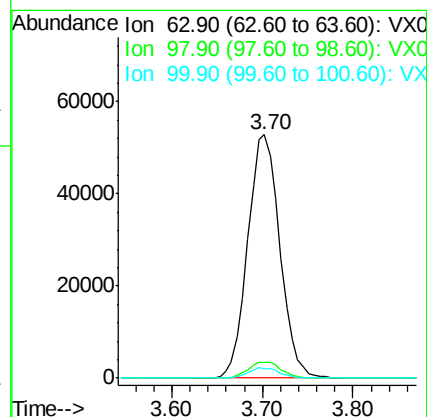
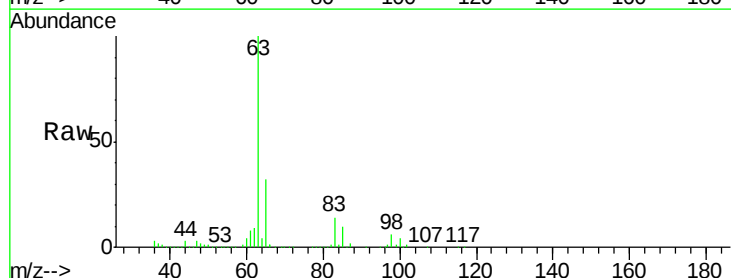
Tgt Ion: 63 Resp: 129602

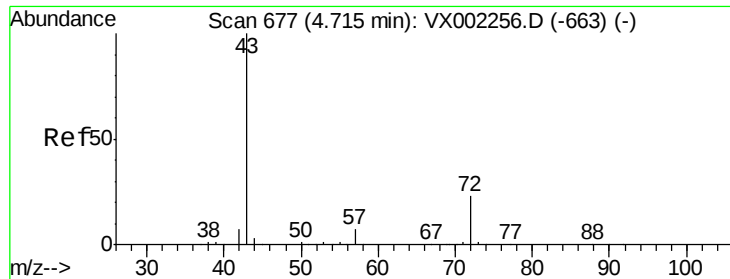
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 88.861 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS01

Tot Ion: 43 Resp: 245086

Ion Ratio Lower Upper

43 100

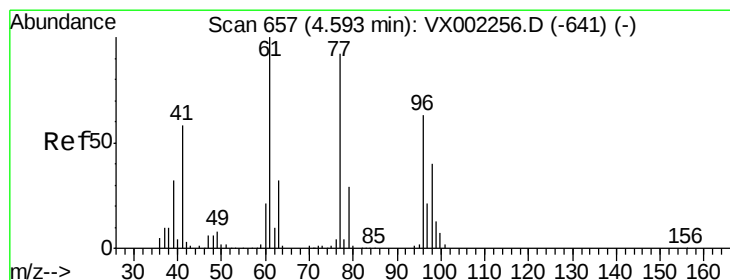
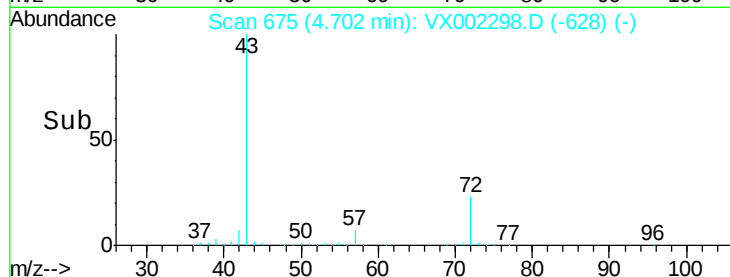
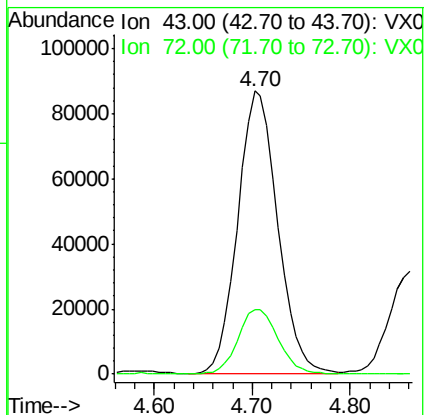
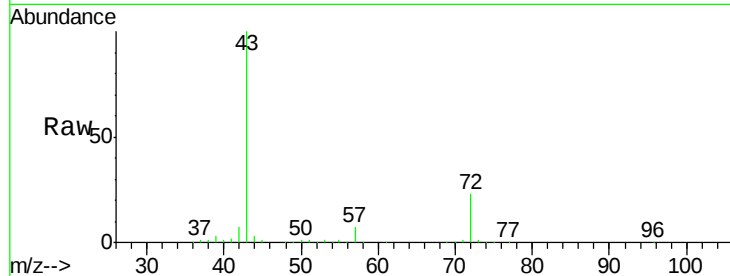
72 22.8 18.5 27.7

Manual Integrations

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6/6/2018 4:10:41 PM



#26

2,2-Dichloropropane

Concen: 18.361 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002298.D

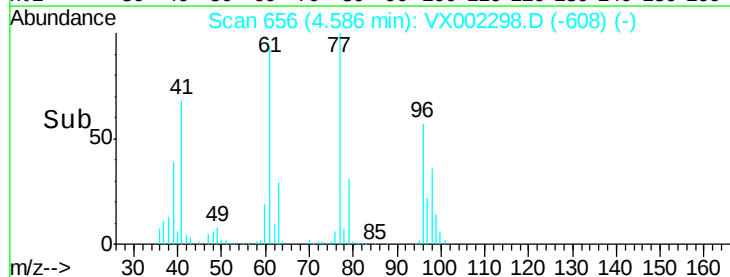
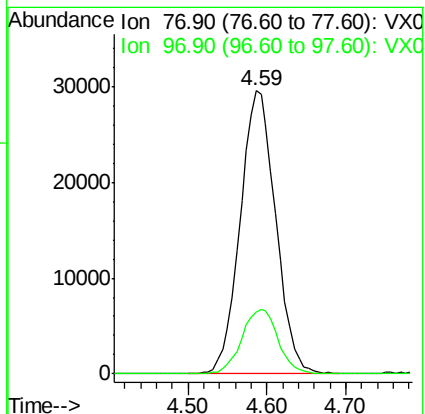
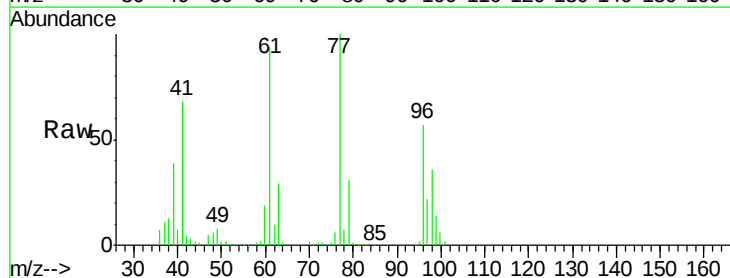
Acq: 05 Jun 2018 11:50

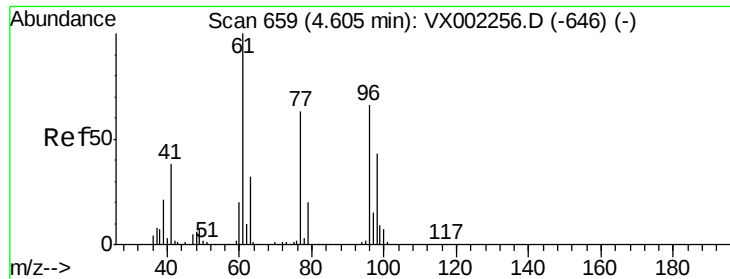
Tgt Ion: 77 Resp: 92187

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.5





#27

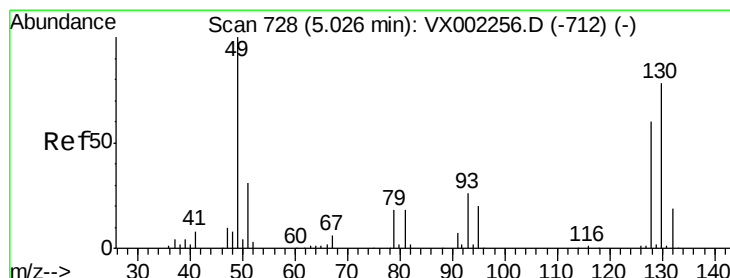
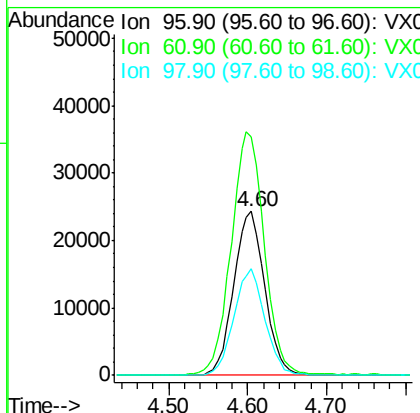
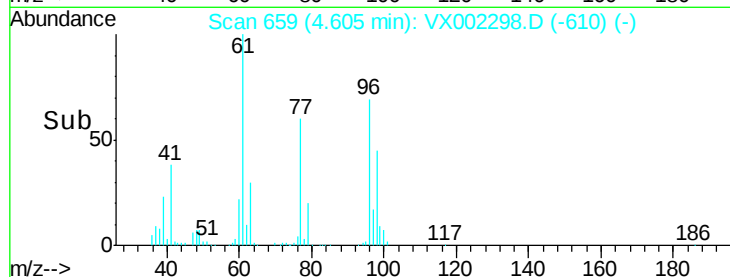
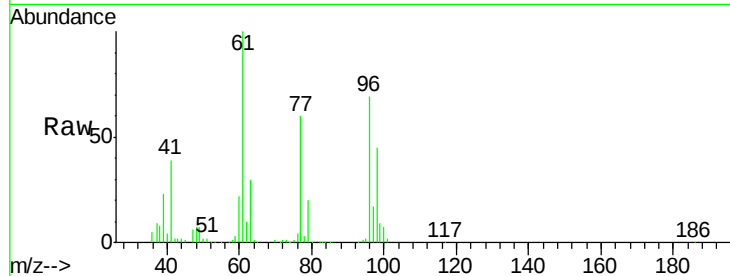
cis-1,2-Dichloroethene
Concen: 18.502 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	66448		
61	159.1	0.0	330.2	
98	65.0	0.0	130.2	

Manual Integrations
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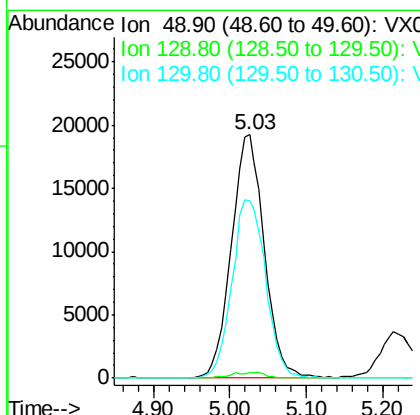
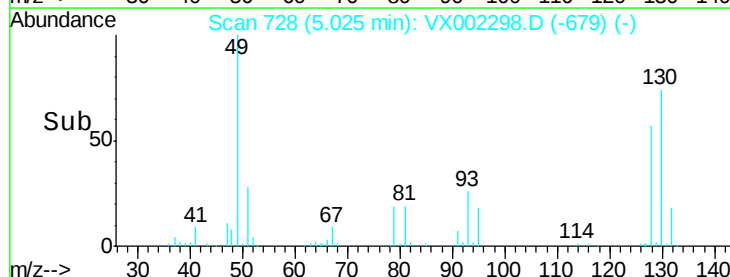
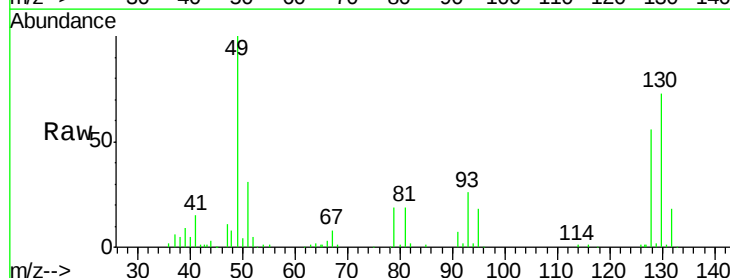
MMDadoda
6/6/2018 4:10:41 PM

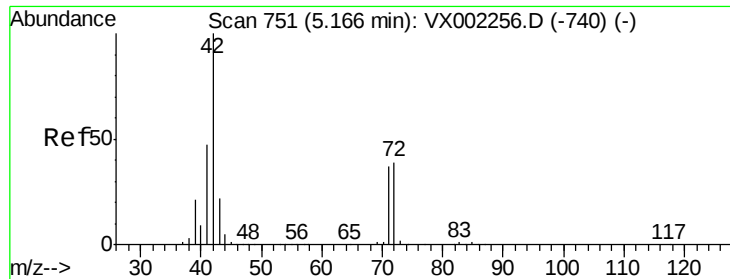


#28

Bromochloromethane
Concen: 18.729 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	57245		
129	2.3	0.0	4.2	
130	75.3	61.2	91.8	





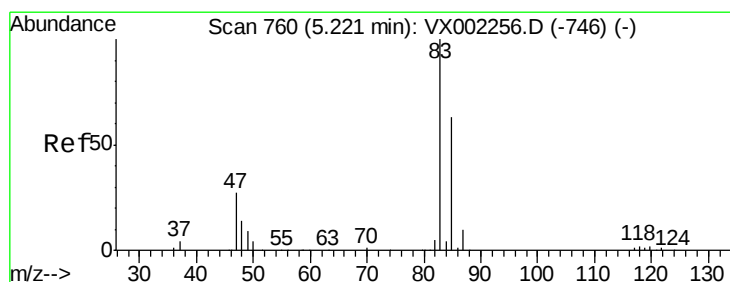
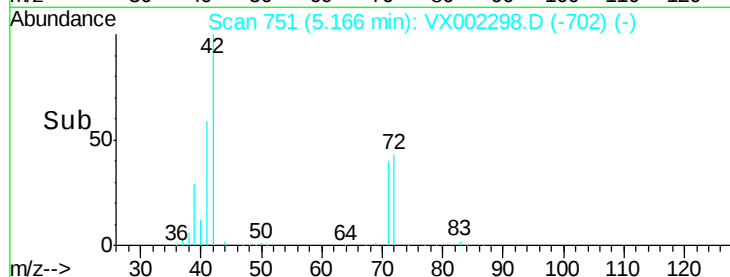
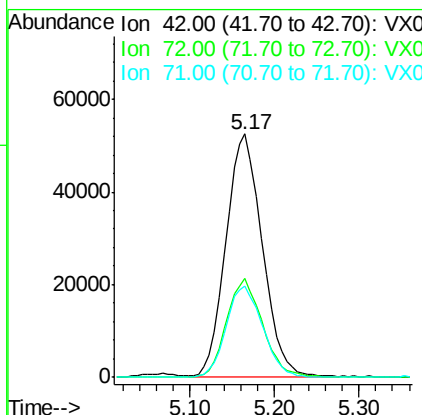
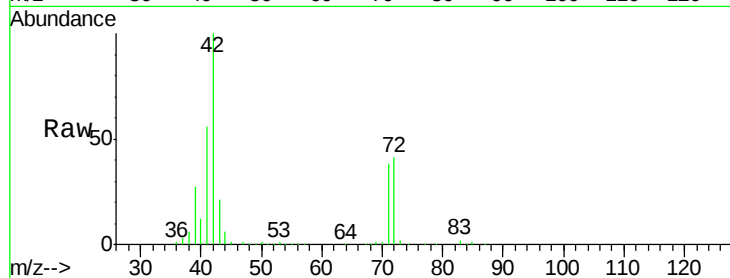
#29
Tetrahydrofuran
Concen: 86.146 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	38.2	30.1	45.1

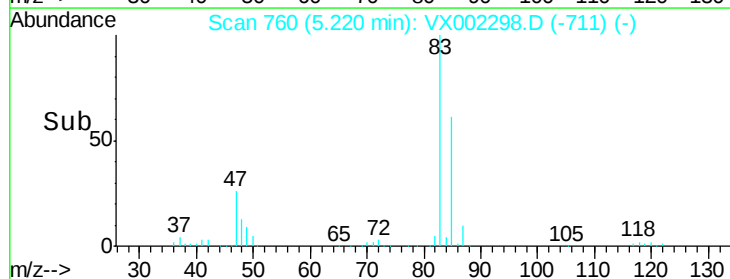
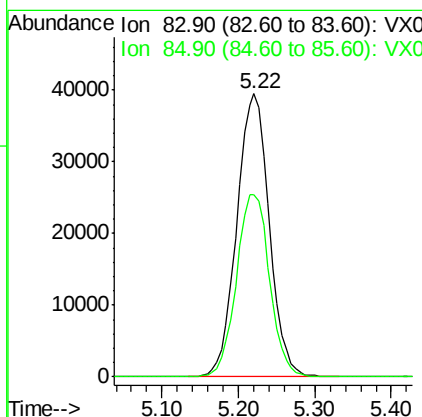
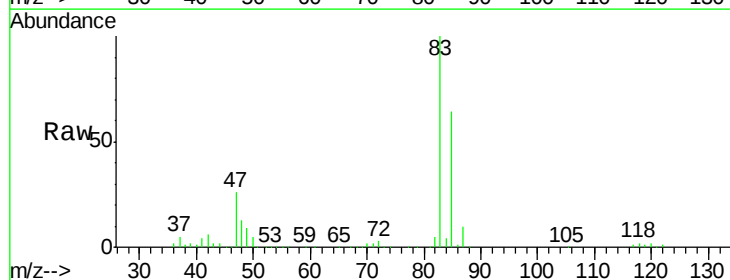
Manual Integrations
APPROVED

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#30
Chloroform
Concen: 18.777 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





#31

Cyclohexane

Concen: 21.183 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

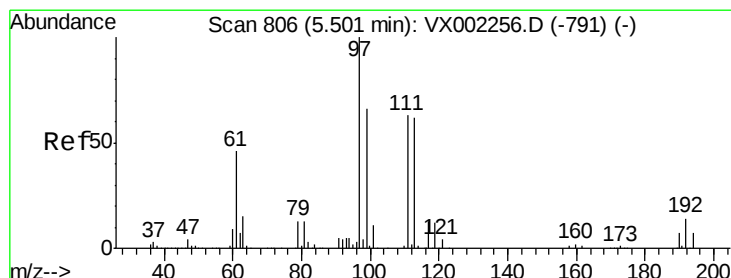
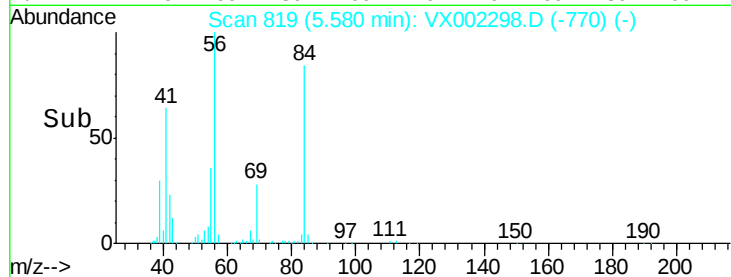
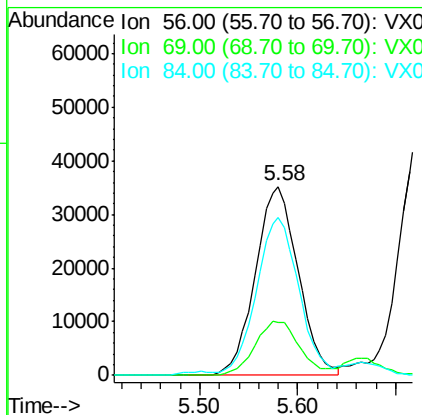
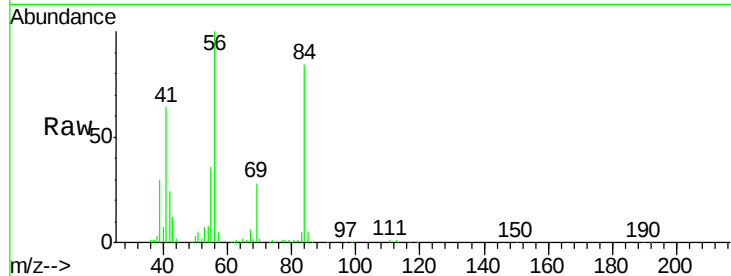
ClientSampleId :

VX0605WBS01

Tot Ion:	56	Resp:	107591
Ion Ratio	Lower	Upper	
56	100		
69	27.7	23.7	35.5
84	82.1	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.522 ug/l

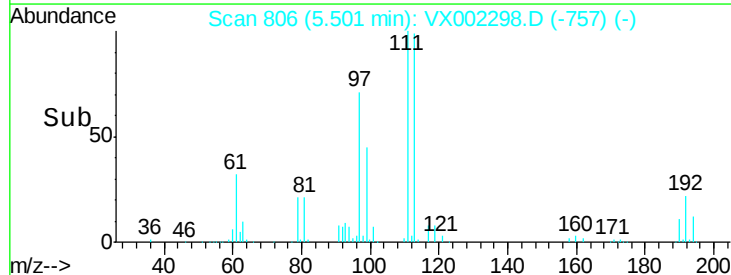
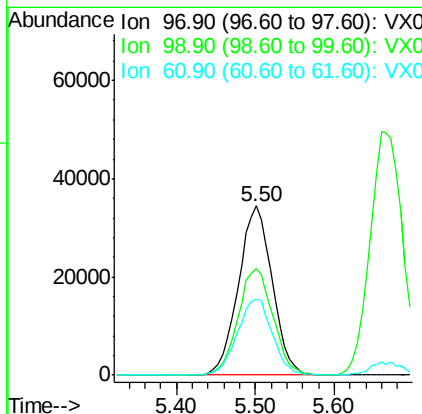
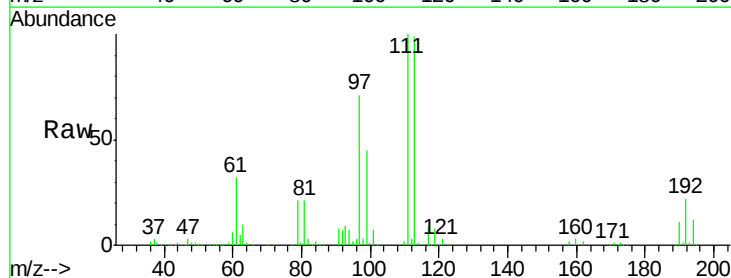
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion:	97	Resp:	102614
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.6	77.4
61	46.5	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 47.574 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 65 Resp: 192041

Ion Ratio Lower Upper

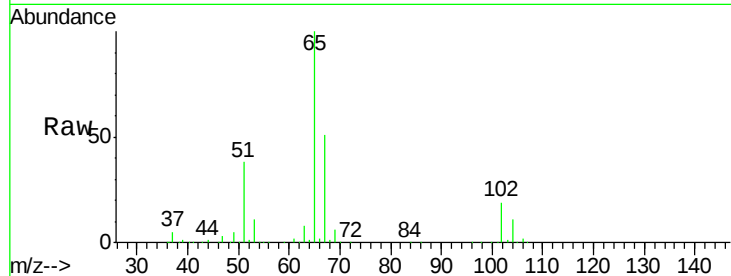
65 100

67 50.4 0.0 102.6

Manual Integrations
APPROVED

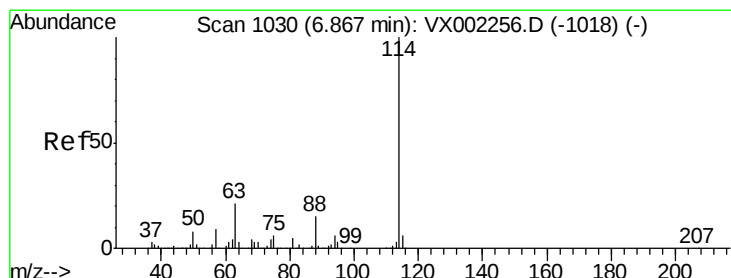
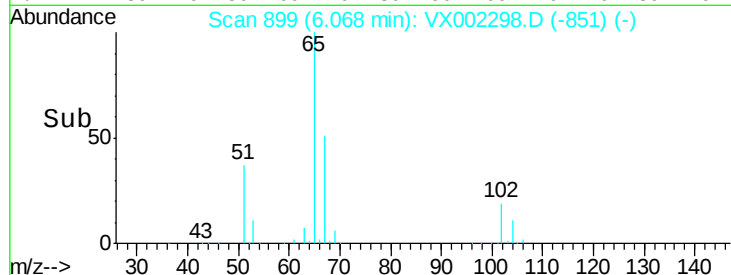
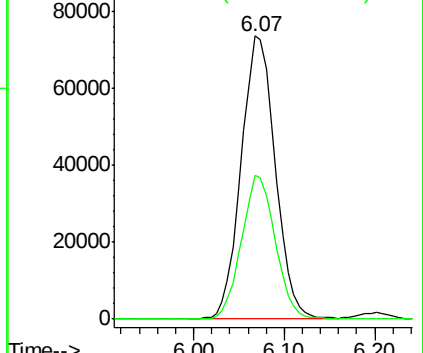
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

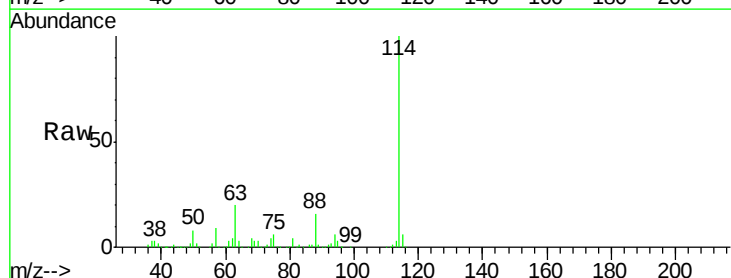
Tgt Ion: 114 Resp: 401952

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

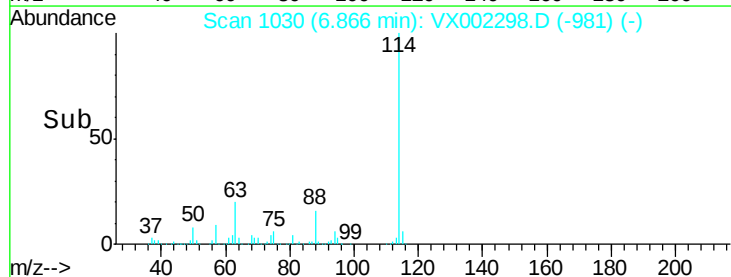
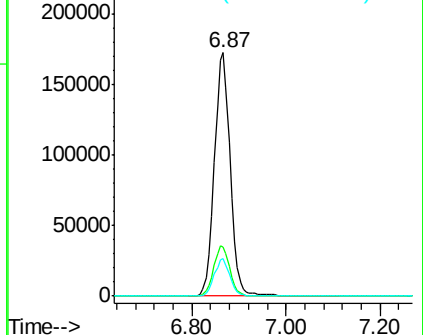
88 15.6 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





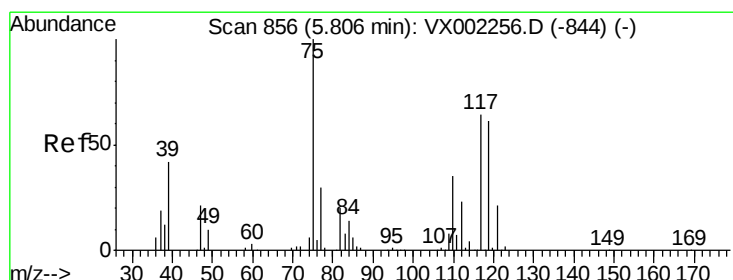
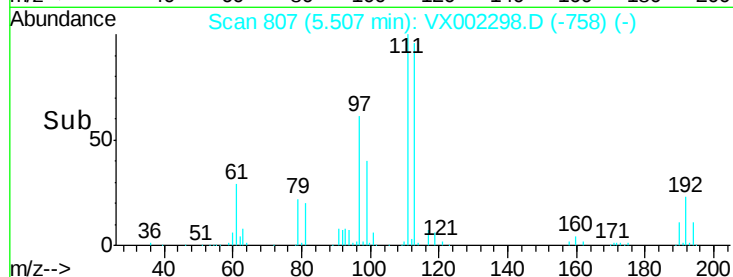
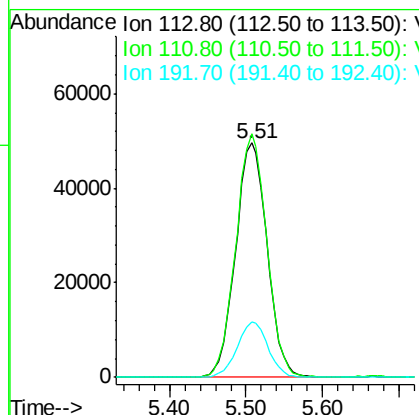
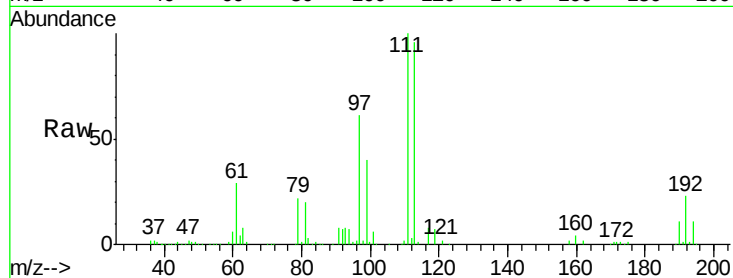
#35
 Dibromofluoromethane
 Concen: 44.898 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	81.4	122.0	
192	23.1	19.1	28.7	

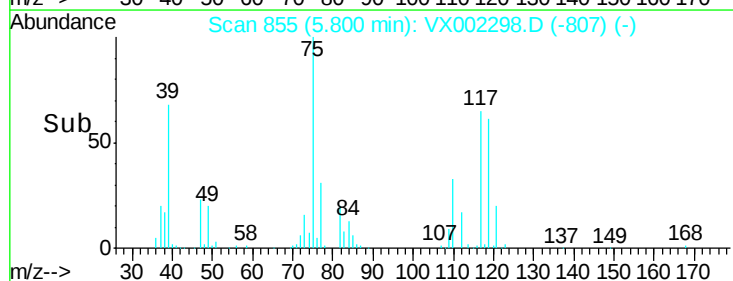
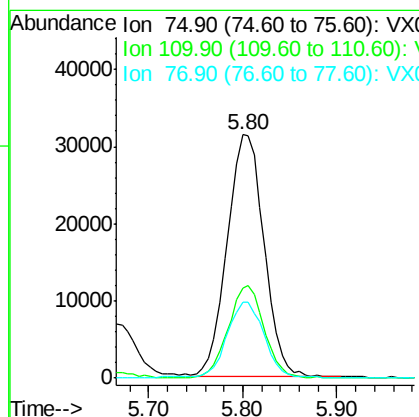
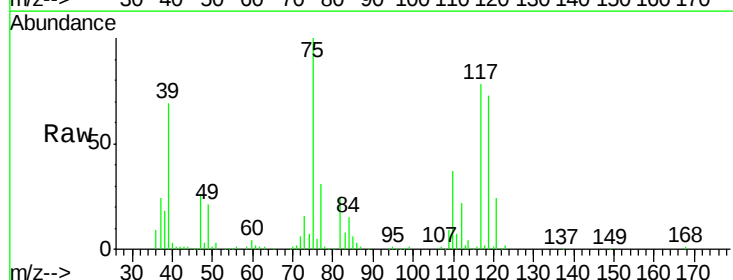
Manual Integrations
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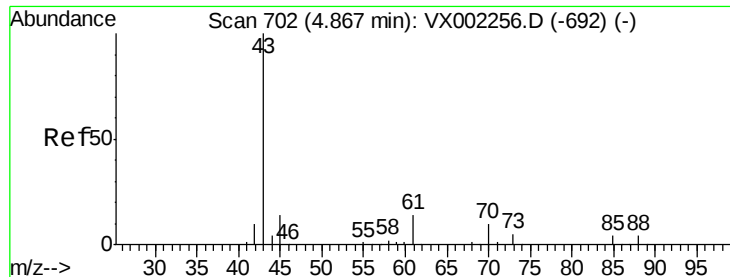
MMDadoda
 6/6/2018 4:10:41 PM



#36
 1,1-Dichloropropene
 Concen: 20.194 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.3	18.1	54.4	
77	31.4	24.3	36.5	





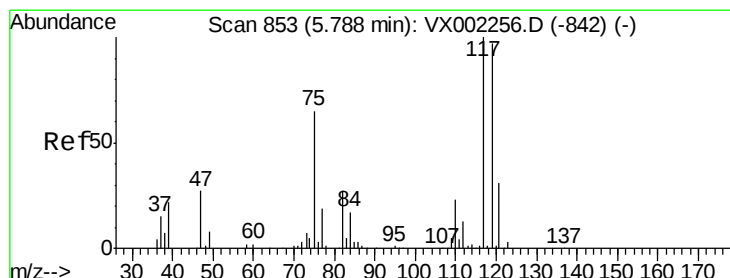
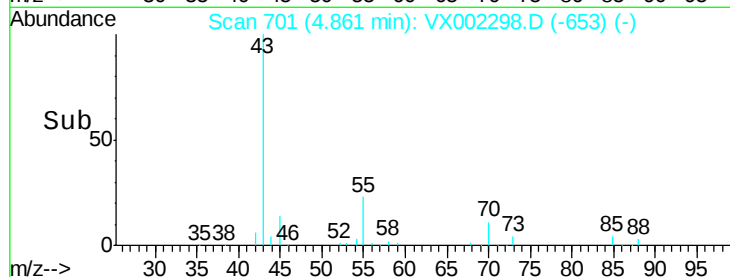
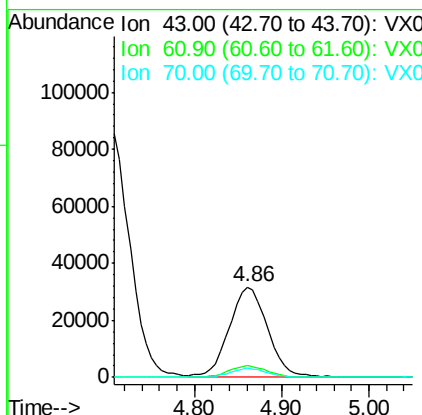
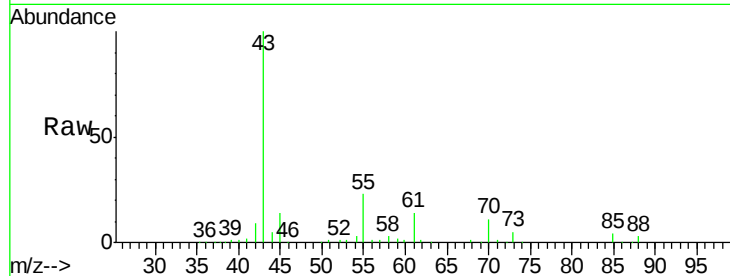
#37
Ethyl Acetate
Concen: 18.539 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.8	7.6	11.4

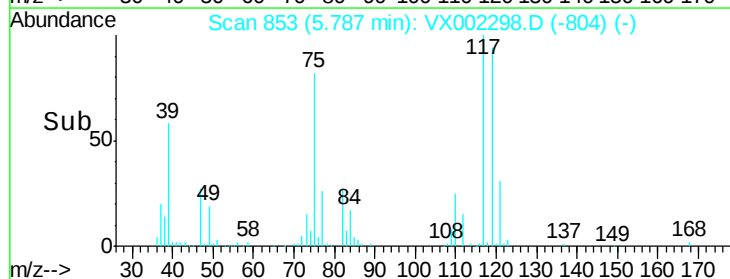
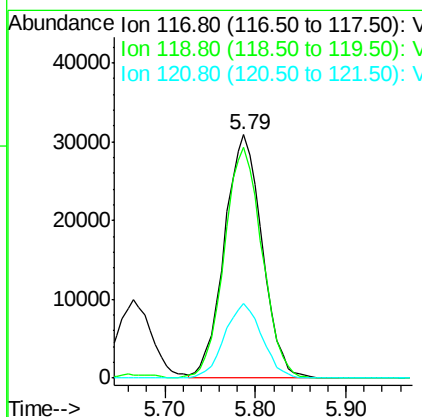
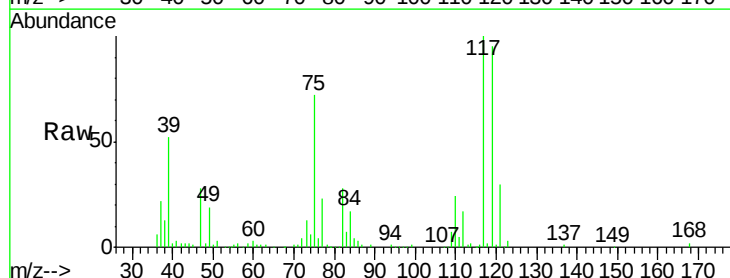
Manual Integrations
APPROVED

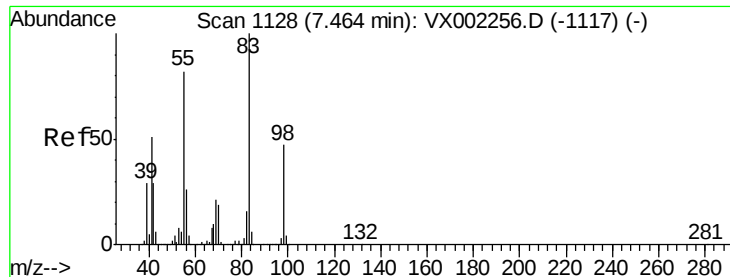
MMDadoda
6/6/2018 4:10:41 PM



#38
Carbon Tetrachloride
Concen: 20.146 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.4	116.0
121	30.5	24.4	36.6





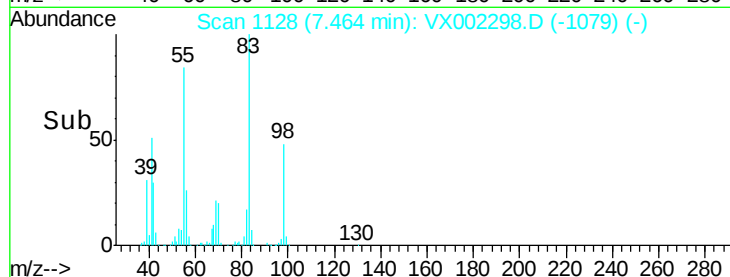
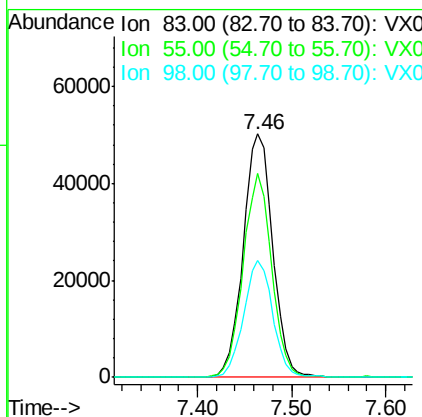
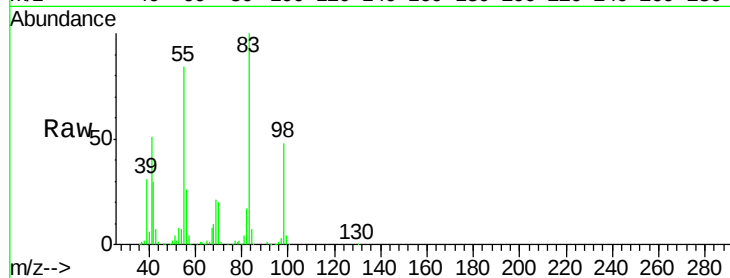
#39
Methvlcvclohexane
Concen: 21.278 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	110291		
55	83.7	65.4	98.0	
98	47.8	37.4	56.0	

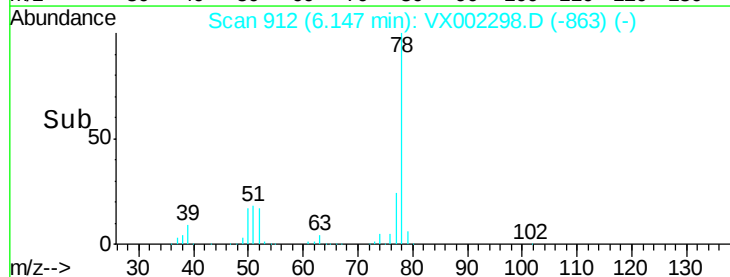
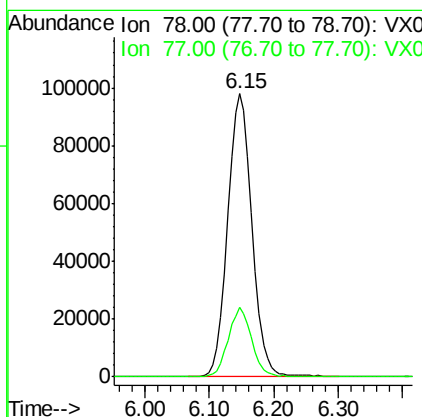
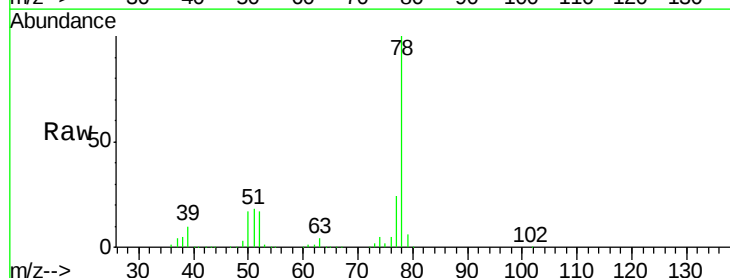
Manual Integrations
APPROVED

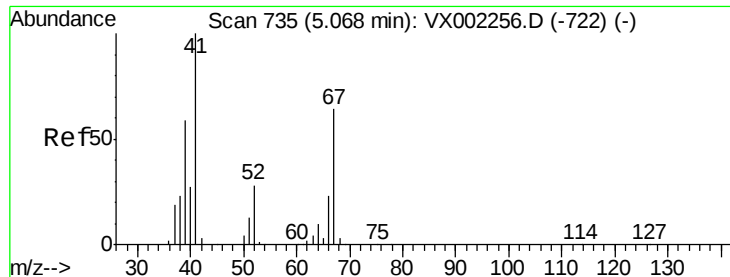
MMDadoda
6/6/2018 4:10:41 PM



#40
Benzene
Concen: 20.081 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	260180		
77	24.5	19.1	28.7	





#41

Methacrylonitrile

Concen: 18.447 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

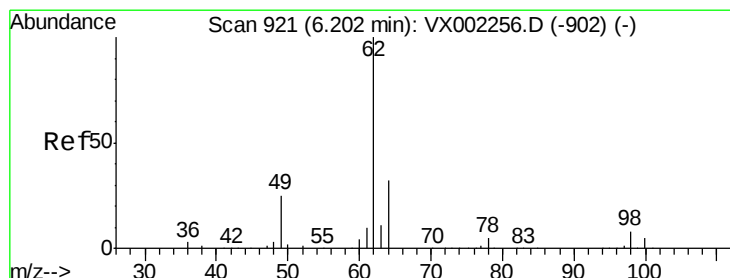
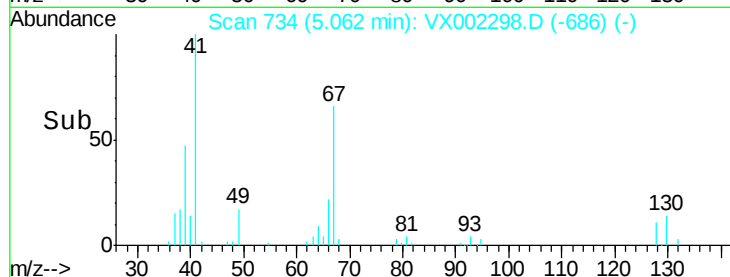
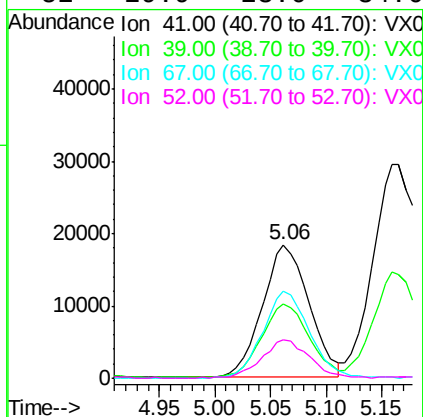
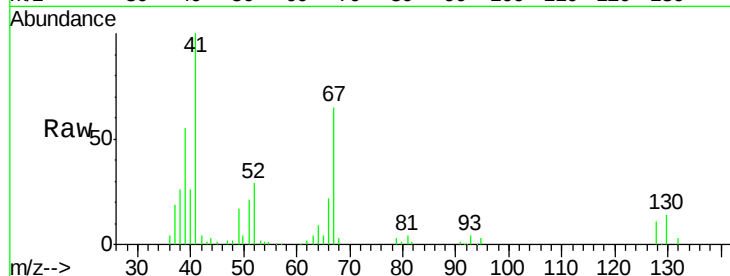
ClientSampleId :

VX0605WBS01

Tot Ion:	41	Resp:	53664
Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.8	68.6
67	65.6	51.3	76.9
52	29.9	23.0	34.6

Manual Integrations
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6/6/2018 4:10:41 PM



#42

1,2-Dichloroethane

Concen: 19.644 ug/l

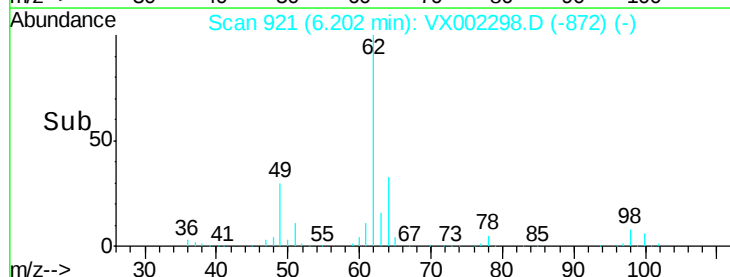
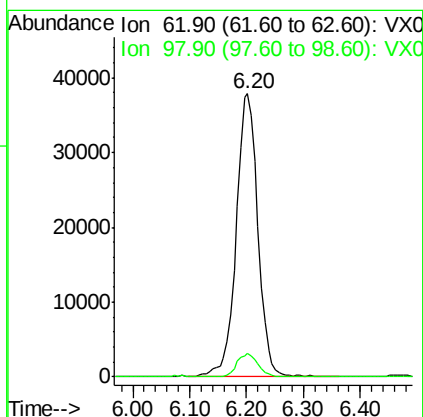
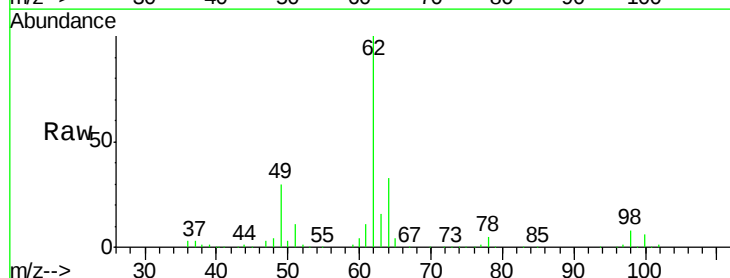
RT: 6.20 min Scan# 921

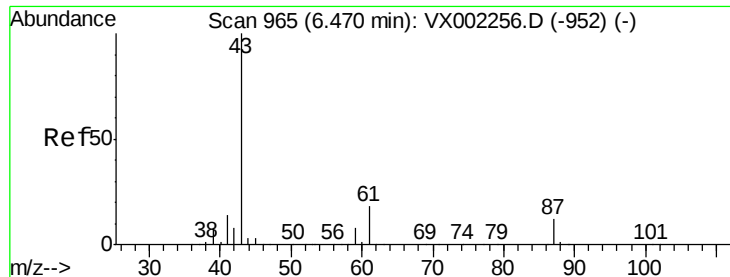
Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion:	62	Resp:	101121
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





#43

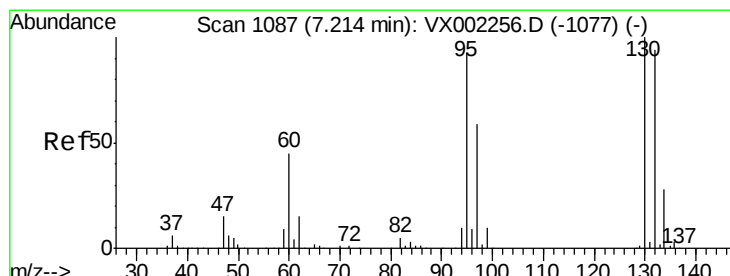
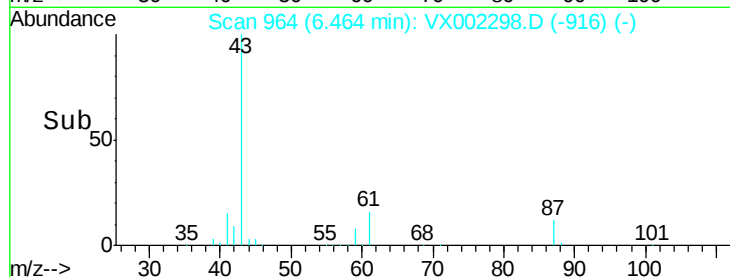
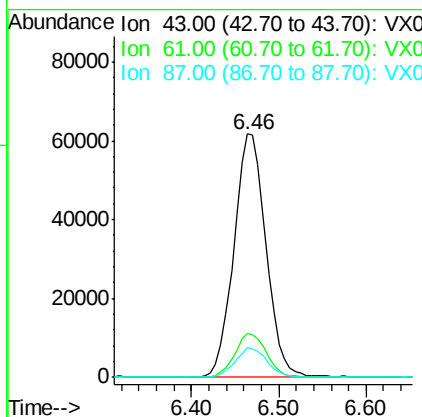
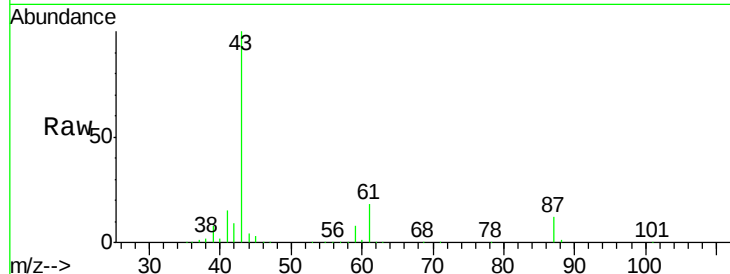
Isopropyl Acetate
 Concen: 18.263 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	11.9	9.5	14.3

Manual Integrations
 APPROVED

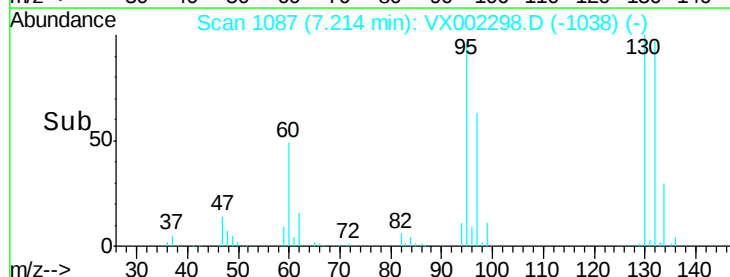
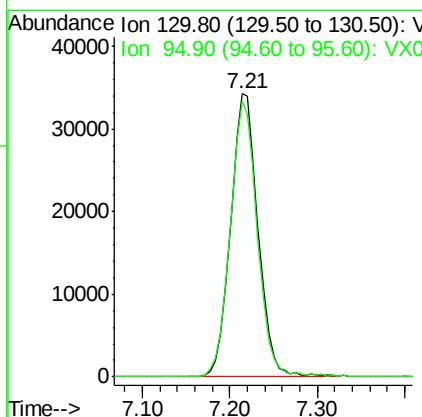
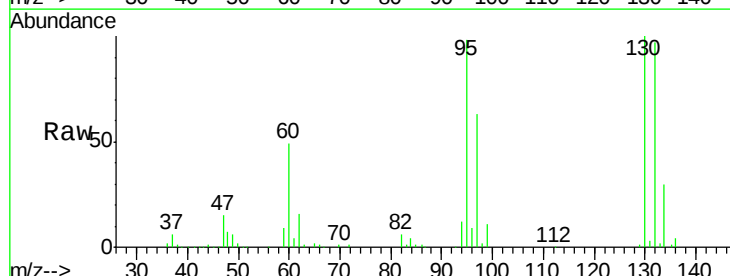
MMDadoda
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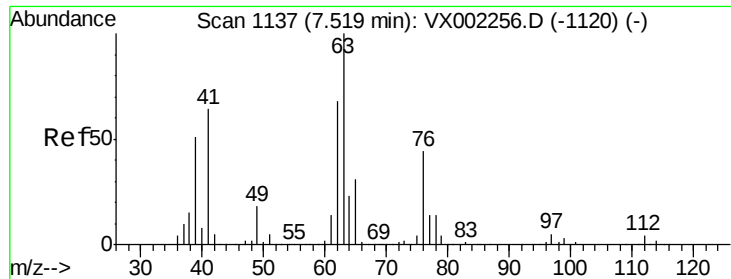


#44

Trichloroethene
 Concen: 20.762 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.708 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 63 Resp: 68934

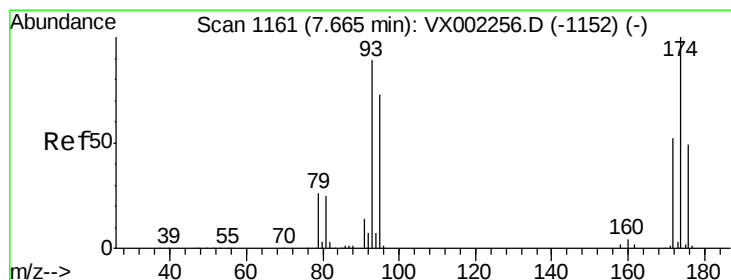
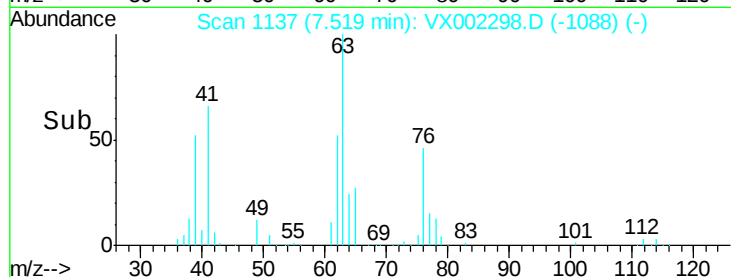
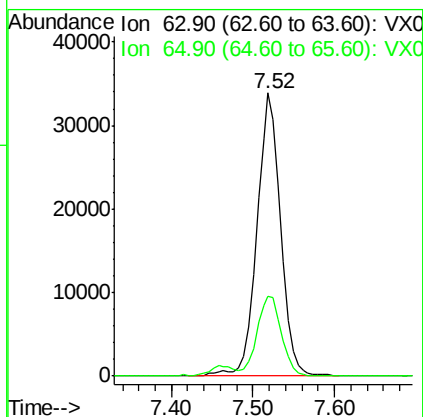
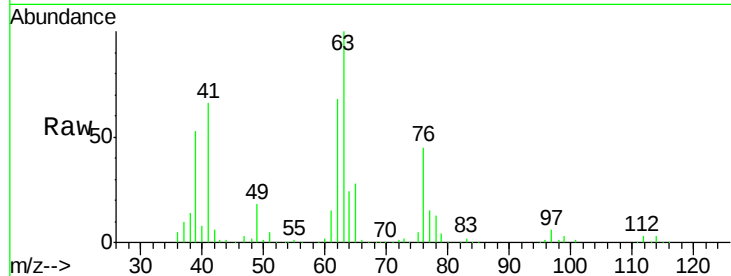
Ion Ratio Lower Upper

63 100

65 28.1 24.7 37.1

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#46

Dibromomethane

Concen: 18.847 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

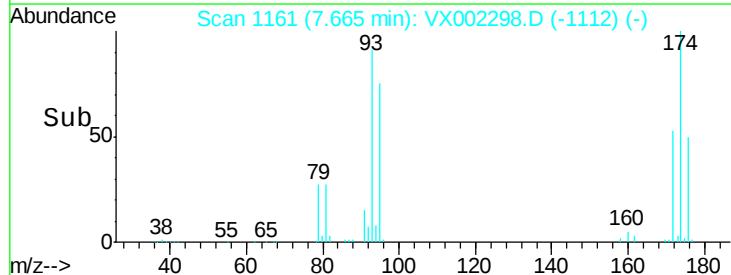
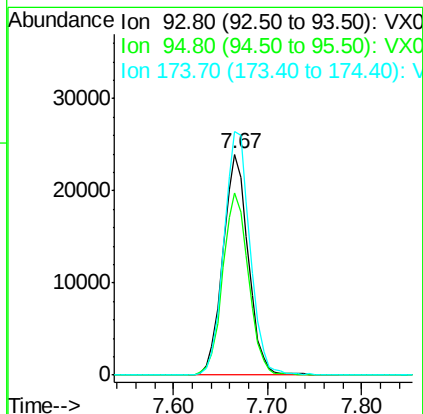
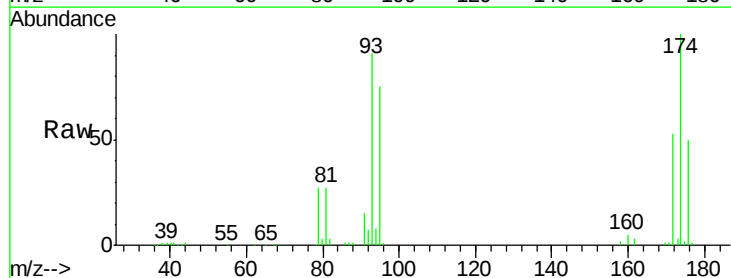
Tgt Ion: 93 Resp: 44690

Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

174 113.4 92.4 138.6





#47

Bromodichloromethane

Concen: 18.645 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

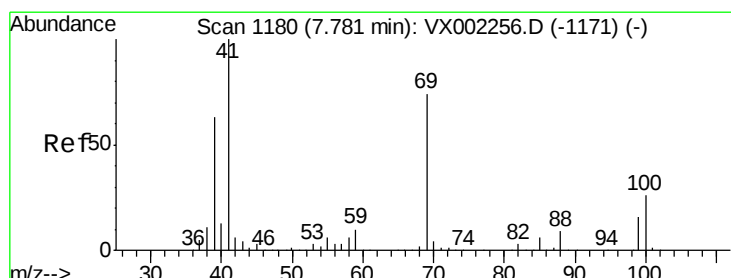
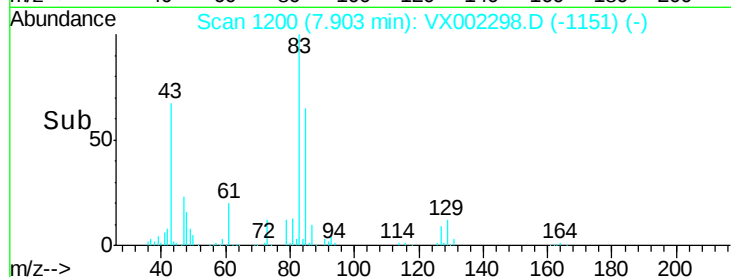
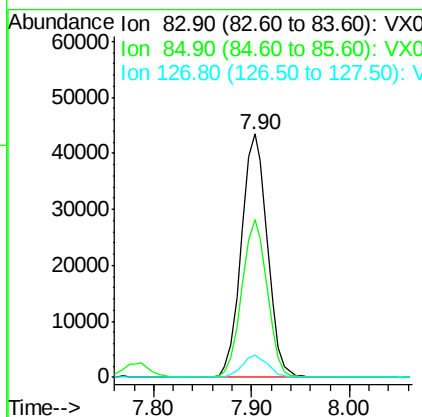
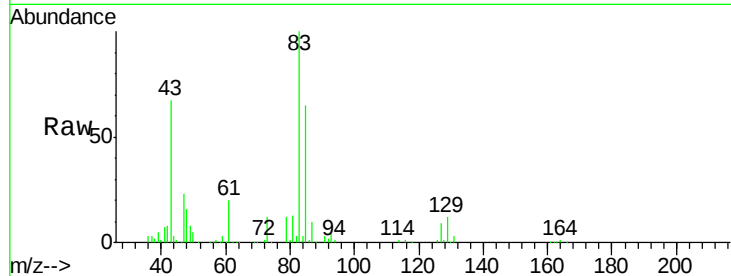
ClientSampleId :

VX0605WBS01

Tot Ion:	83	Resp:	79958
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.554 ug/l

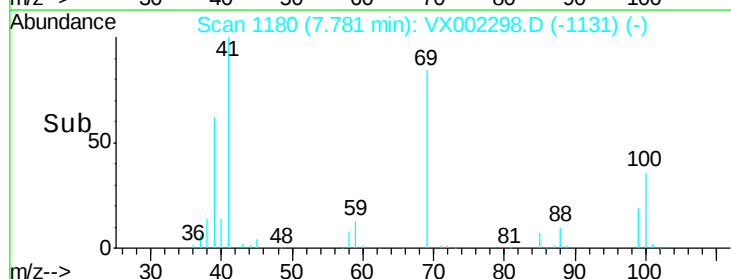
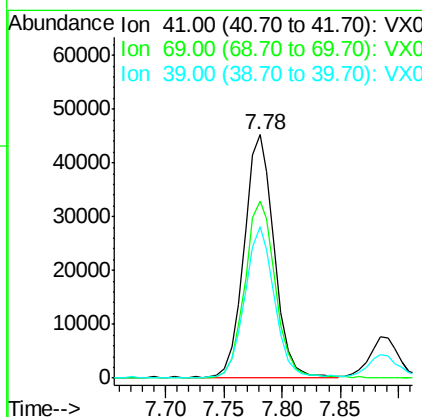
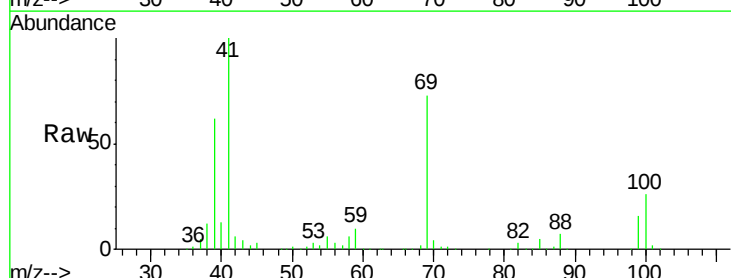
RT: 7.78 min Scan# 1180

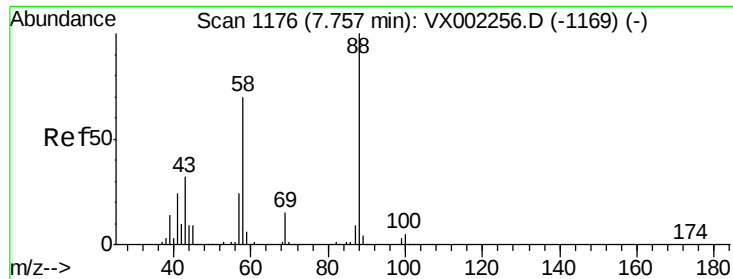
Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion:	41	Resp:	80446
Ion	Ratio	Lower	Upper
41	100		
69	74.8	59.1	88.7
39	61.2	48.9	73.3





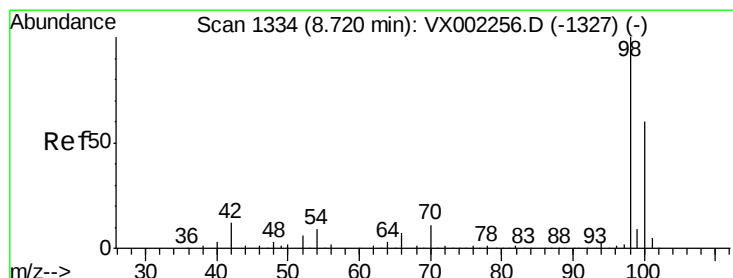
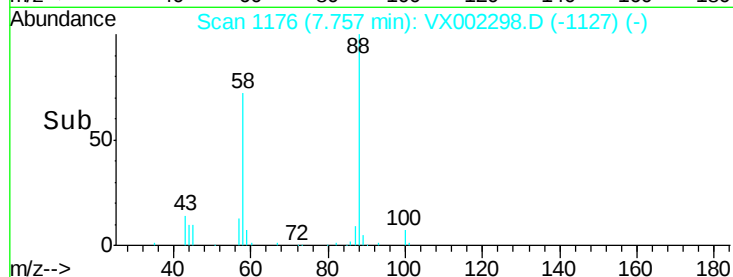
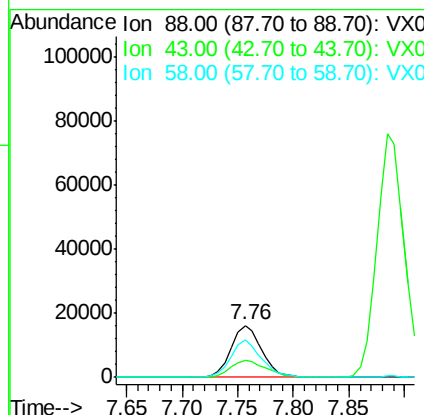
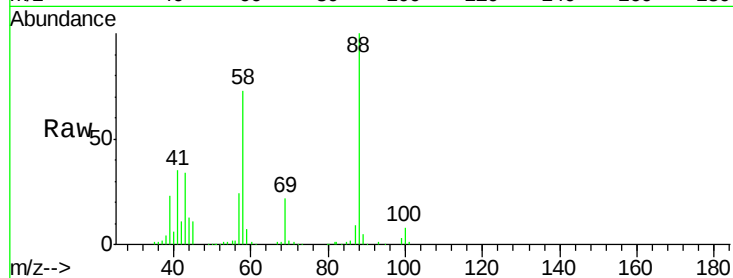
#49
1,4-Dioxane
Concen: 376.168 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	29.8	44.6
58	73.6	57.1	85.7

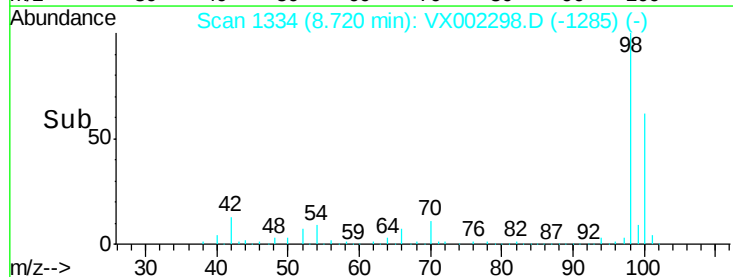
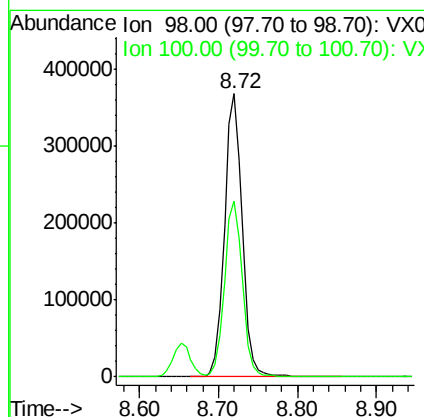
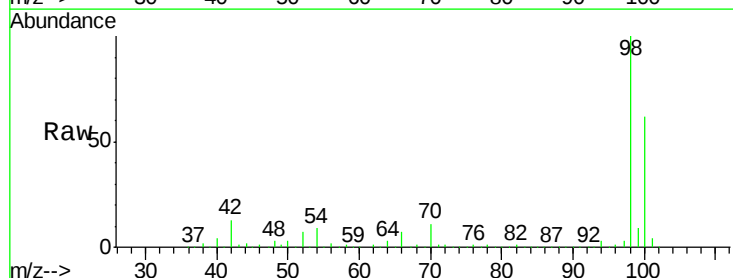
Manual Integrations
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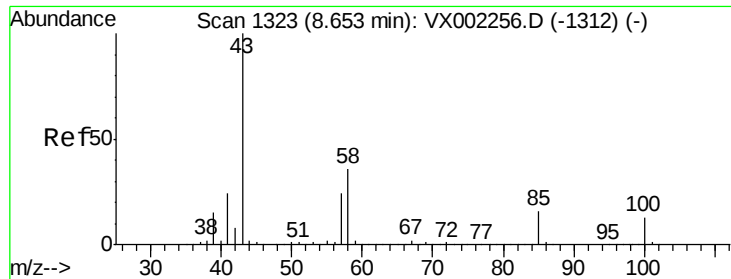
MMDadoda
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#50
Toluene-d8
Concen: 47.099 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 93.576 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 43 Resp: 502993

Ion Ratio Lower Upper

43 100

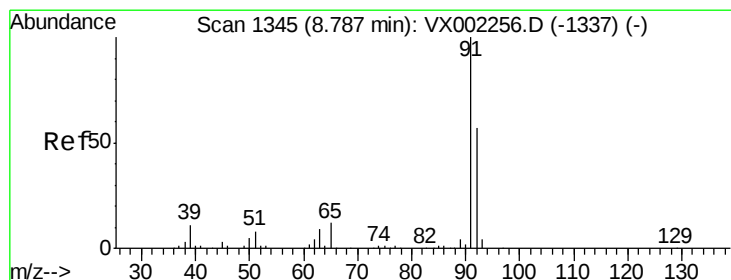
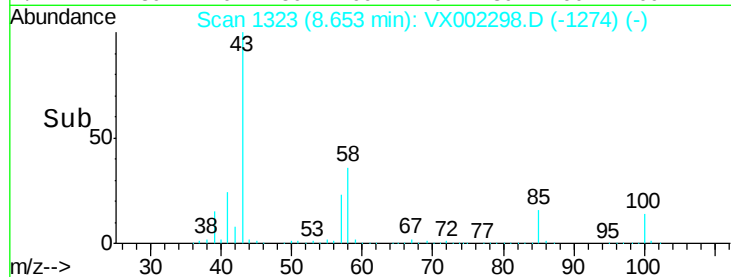
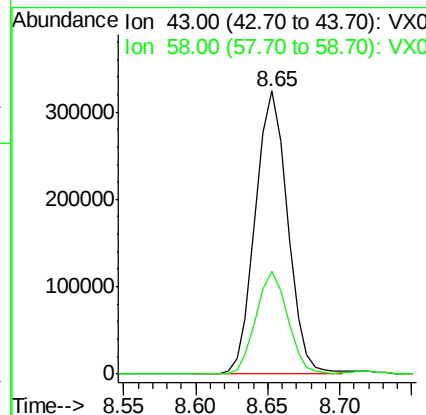
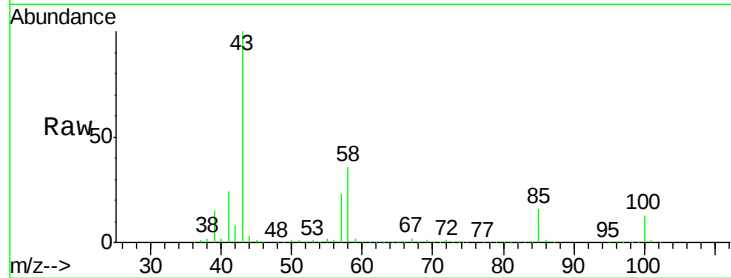
58 35.7 28.6 42.8

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#52

Toluene

Concen: 20.446 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002298.D

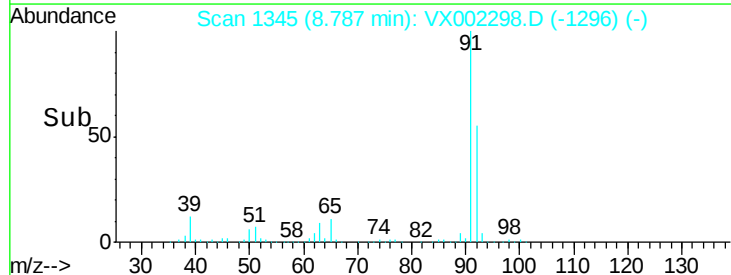
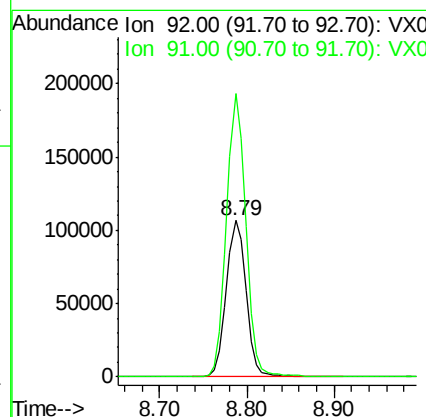
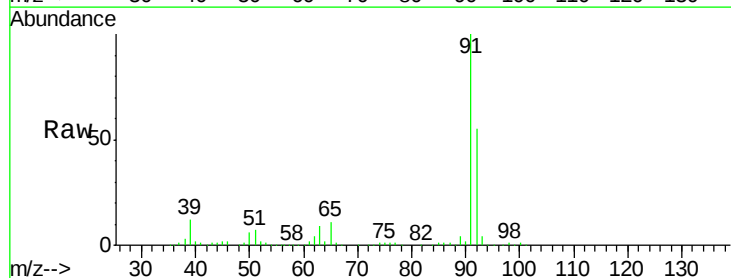
Acq: 05 Jun 2018 11:50

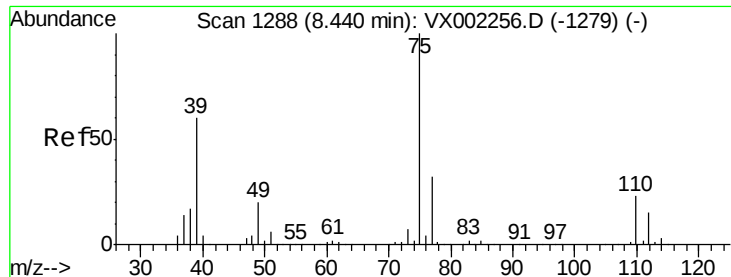
Tgt Ion: 92 Resp: 168486

Ion Ratio Lower Upper

92 100

91 176.1 140.4 210.6





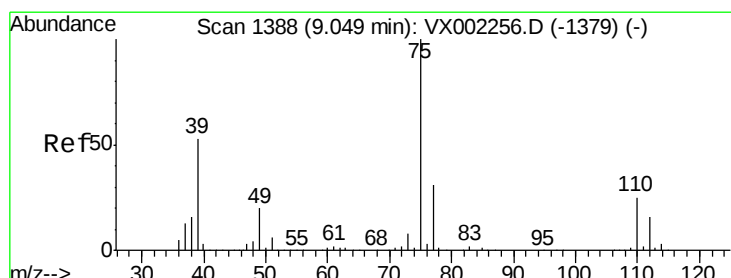
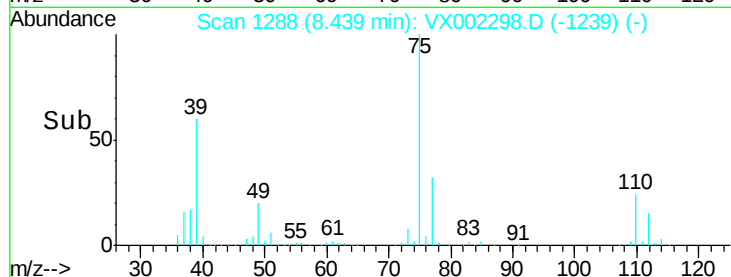
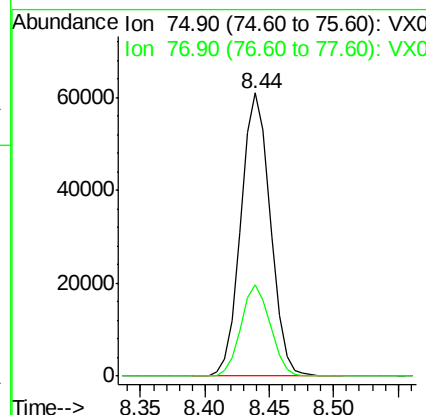
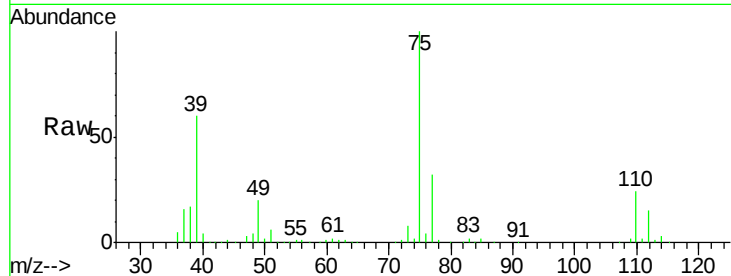
#53
t-1,3-Dichloropropene
Concen: 18.790 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion: 75 Resp: 96635
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

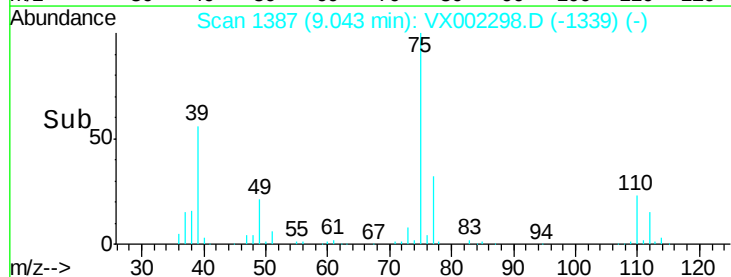
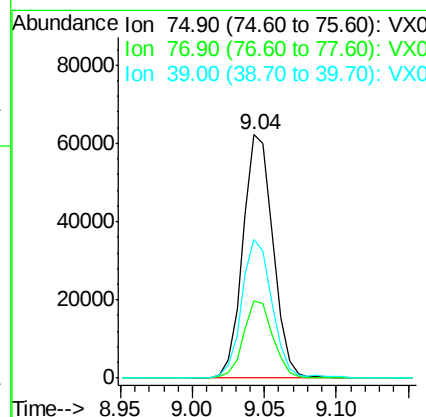
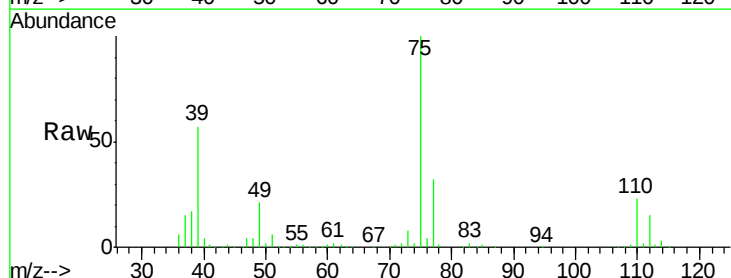
Manual Integrations
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6/6/2018 4:10:41 PM



#54
cis-1,3-Dichloropropene
Concen: 18.659 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion: 75 Resp: 90536
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 56.5 42.4 63.6





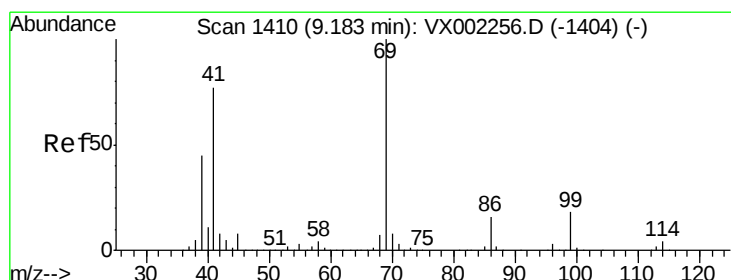
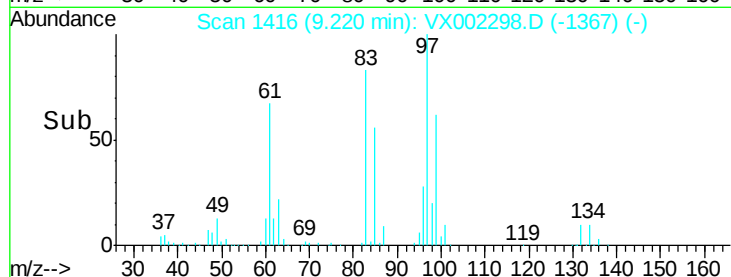
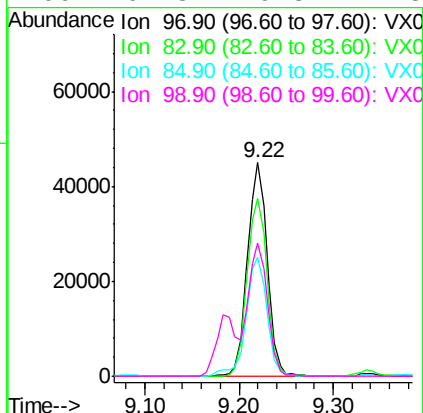
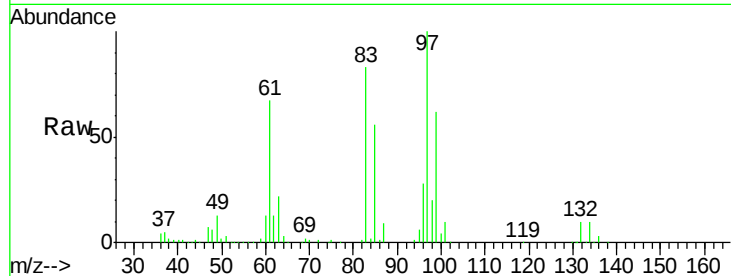
#55
 1,1,2-Trichloroethane
 Concen: 19.610 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

Tot Ion:	97	Resp:	66464
Ion	Ratio	Lower	Upper
97	100		
83	83.2	70.2	105.2
85	55.9	44.9	67.3
99	62.3	49.8	74.8

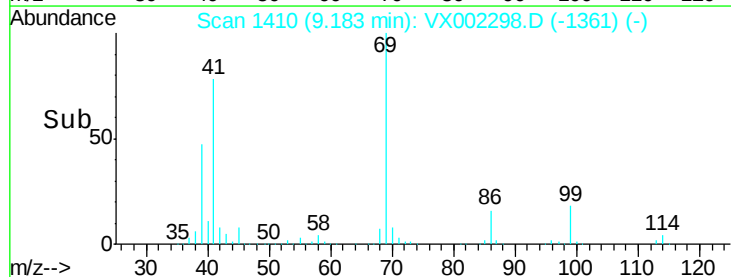
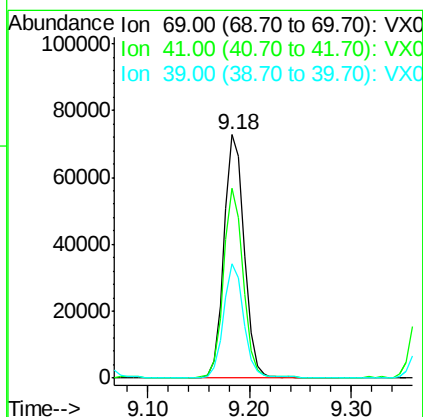
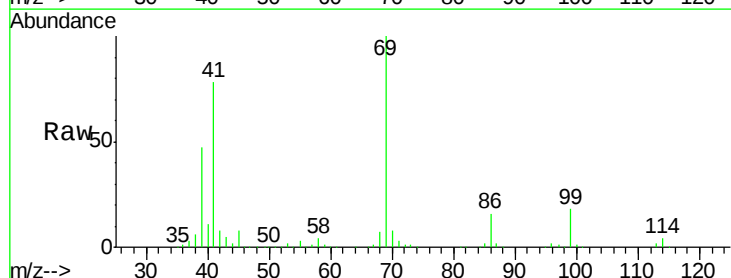
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 18.580 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion:	69	Resp:	100541
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.3	90.5
39	46.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.581 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 76 Resp: 111335

Ion Ratio Lower Upper

76 100

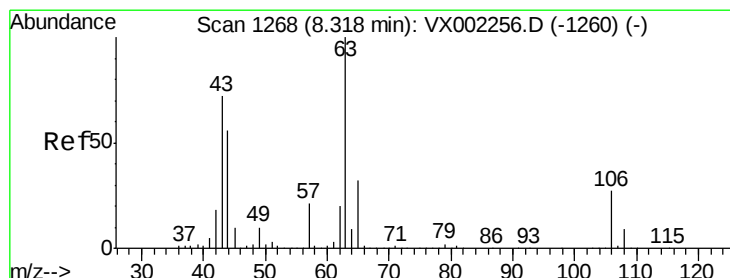
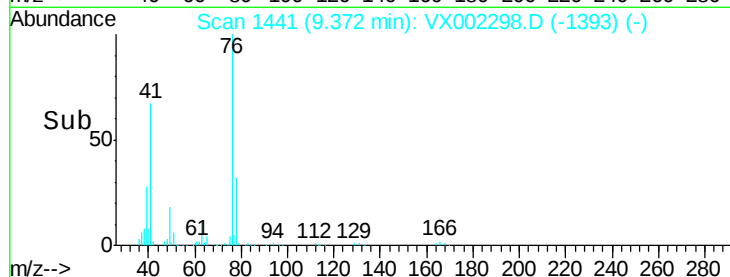
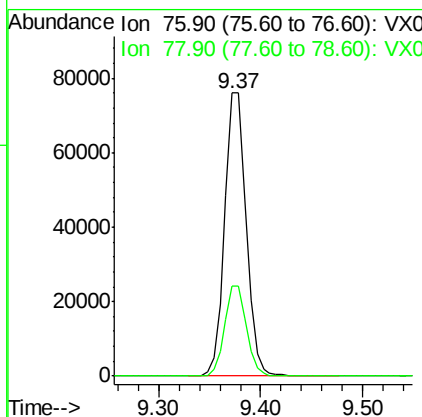
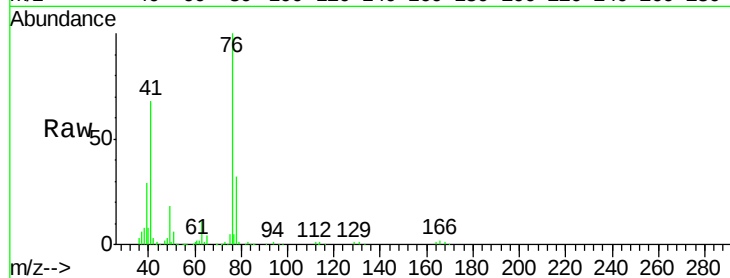
78 32.3 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 97.081 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002298.D

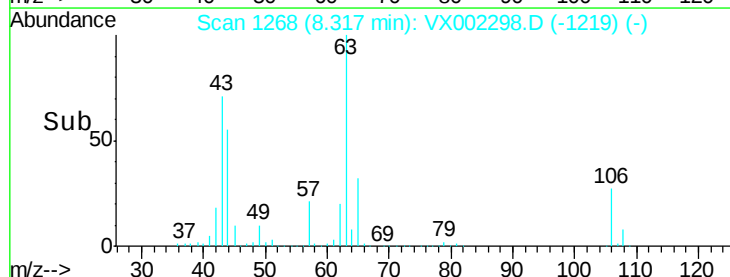
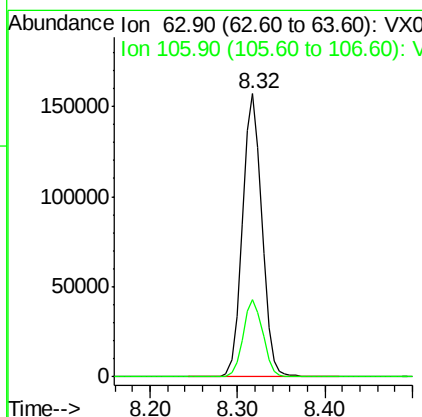
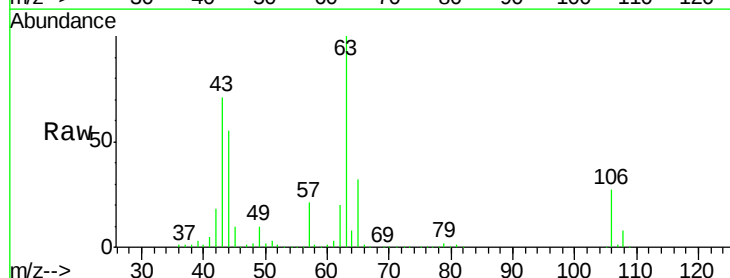
Acq: 05 Jun 2018 11:50

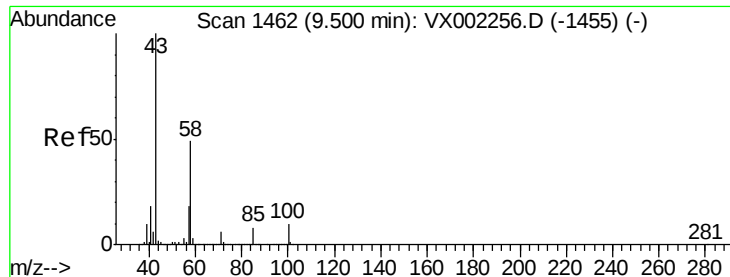
Tgt Ion: 63 Resp: 243136

Ion Ratio Lower Upper

63 100

106 27.5 21.8 32.8





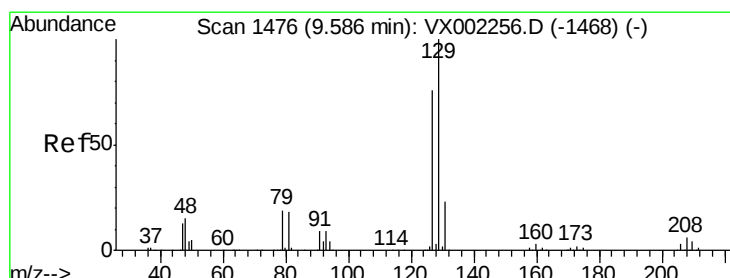
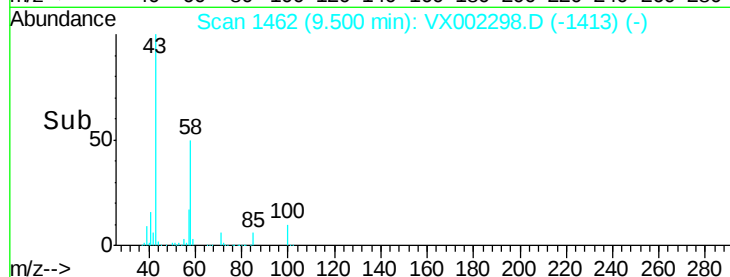
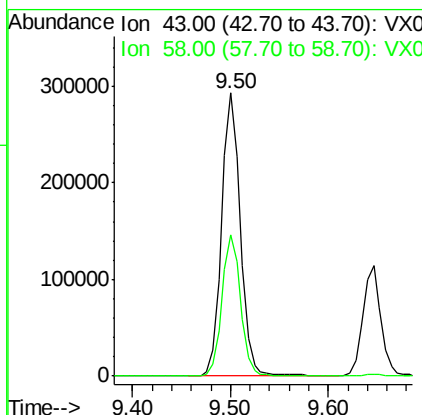
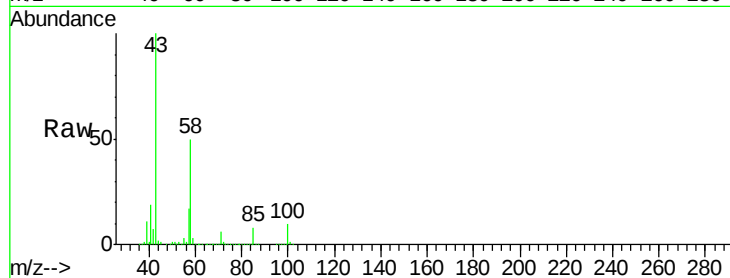
#59
2-Hexanone
Concen: 93.452 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	24.6	73.6

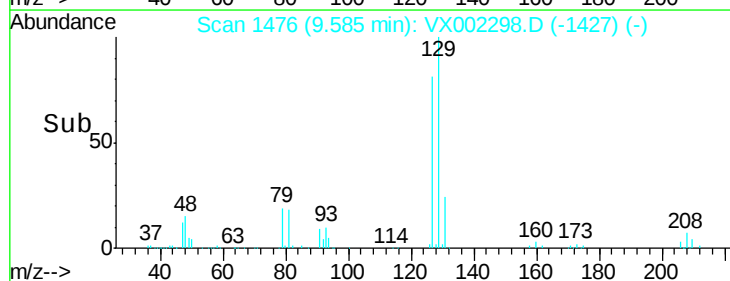
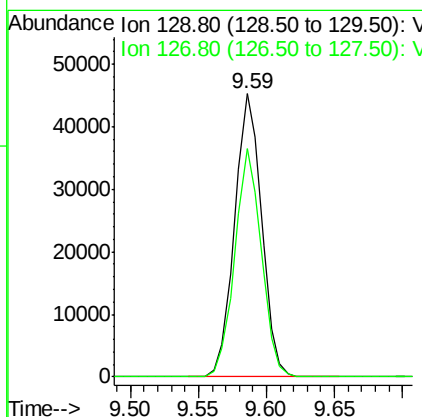
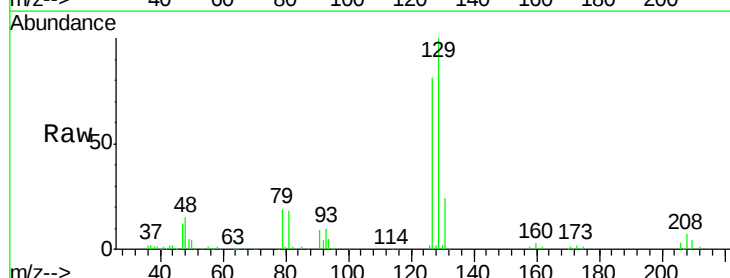
Manual Integrations
APPROVED

MMDadoda
6/6/2018 4:10:41 PM



#60
Dibromochloromethane
Concen: 18.391 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.741 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:107 Resp: 69762

Ion Ratio Lower Upper

107 100

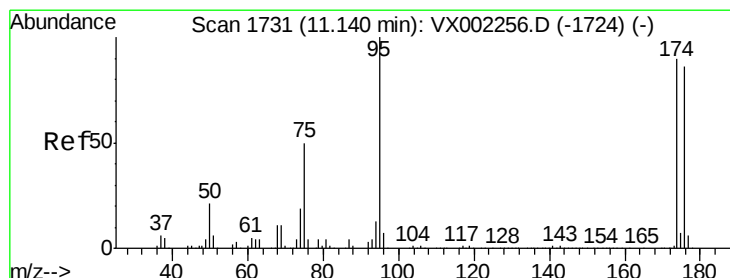
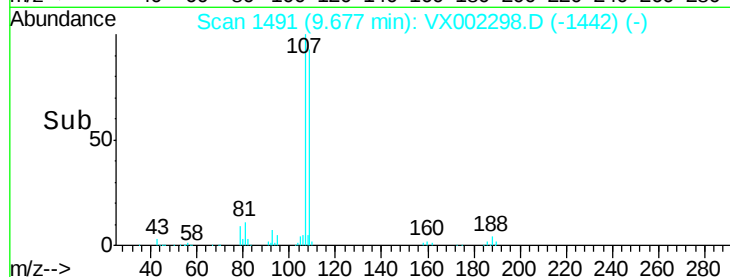
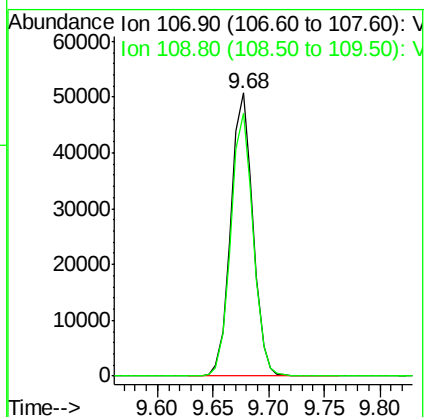
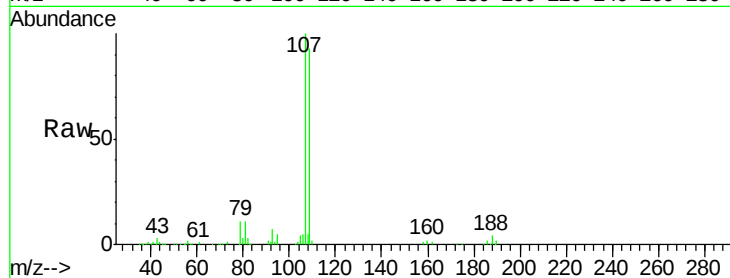
109 94.1 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.160 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

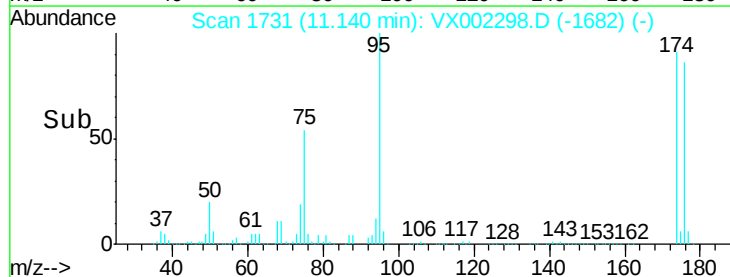
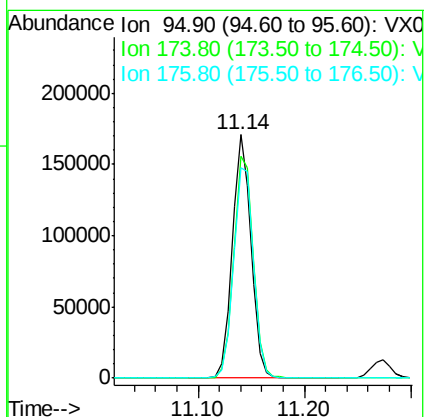
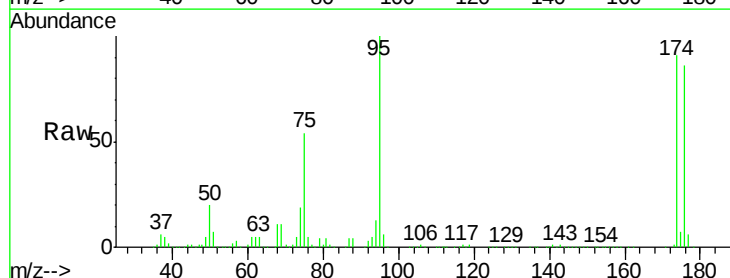
Tgt Ion: 95 Resp: 210990

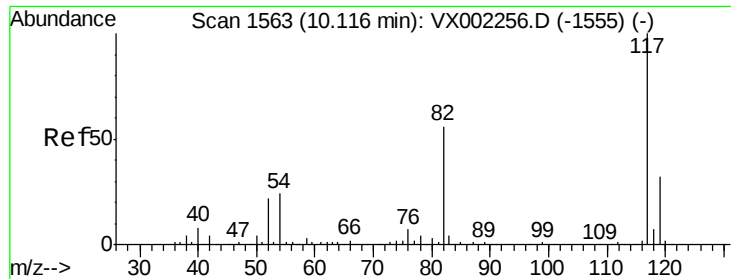
Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.4

176 92.5 0.0 181.0





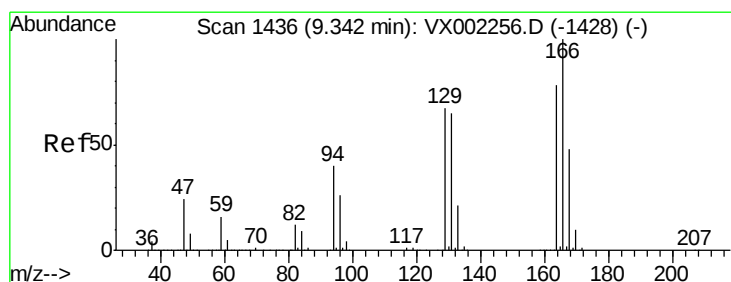
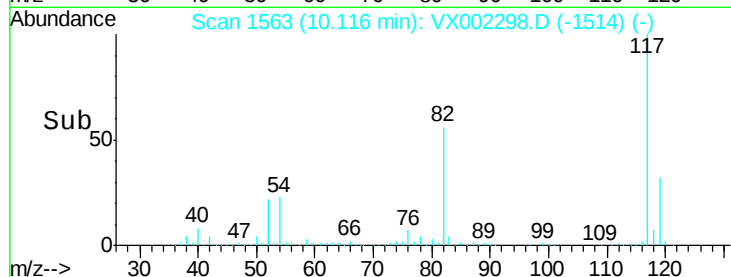
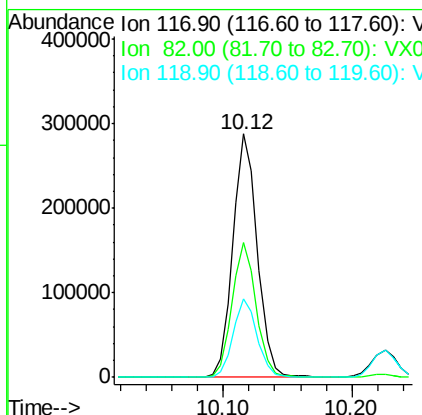
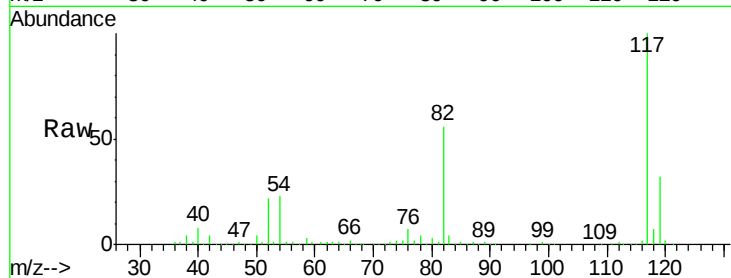
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.0	67.4
119	32.3	25.8	38.6

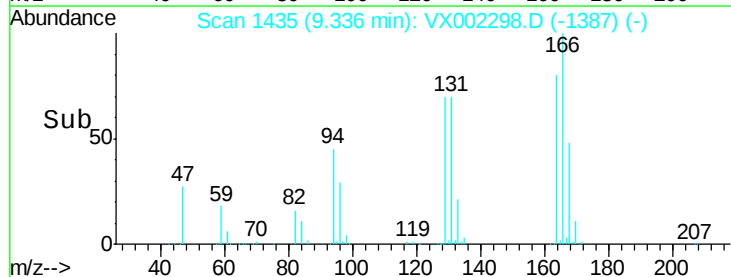
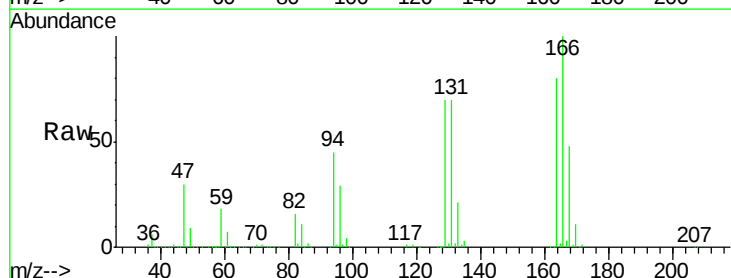
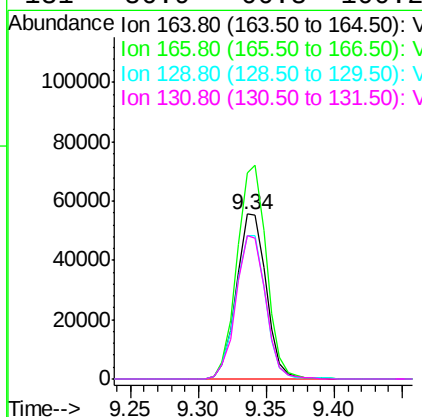
Manual Integrations
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#64
Tetrachloroethene
Concen: 21.653 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	102.9	154.3
129	87.1	68.6	102.8
131	86.9	66.8	100.2





#65

Chlorobenzene

Concen: 20.269 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:112 Resp: 192502

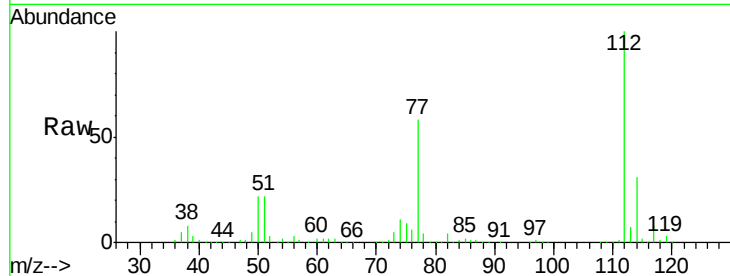
Ion Ratio Lower Upper

112 100

114 31.2 25.3 37.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

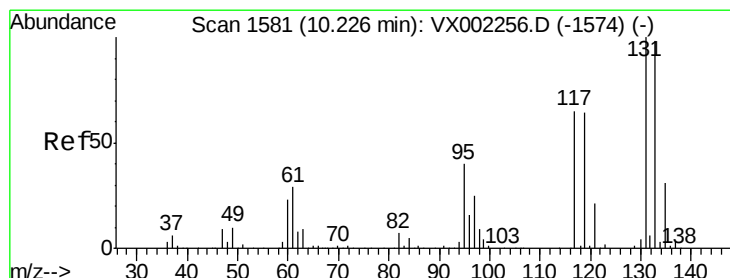
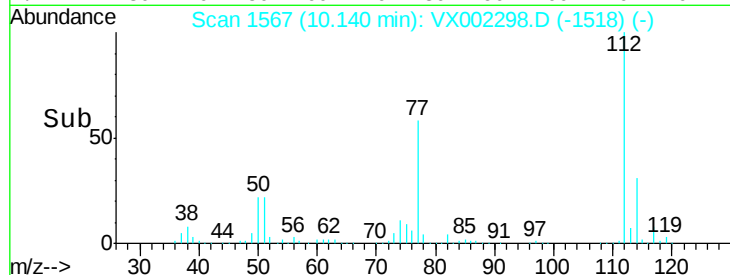
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.295 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

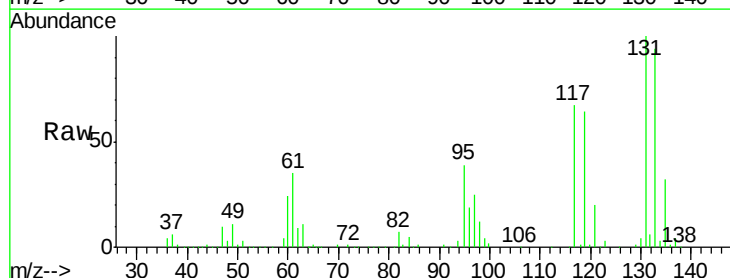
Tgt Ion:131 Resp: 66352

Ion Ratio Lower Upper

131 100

133 94.5 47.9 143.6

119 62.8 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

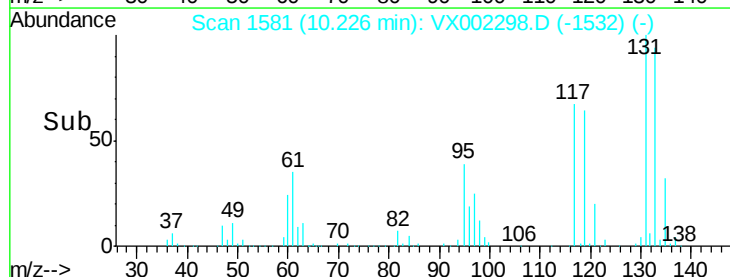
60000

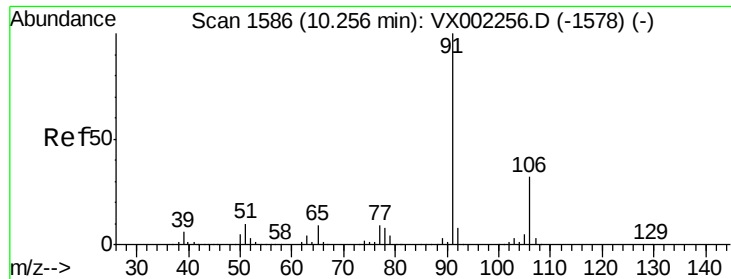
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 20.952 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS01

Tot Ion: 91 Resp: 333005

Ion Ratio Lower Upper

91 100

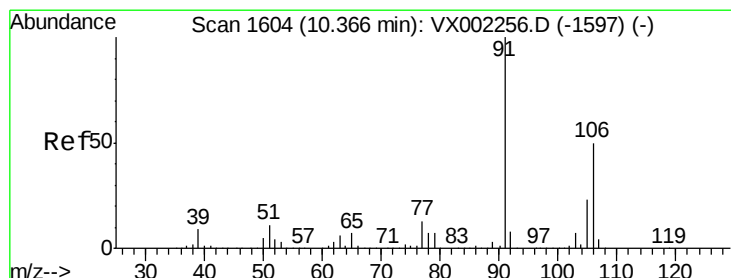
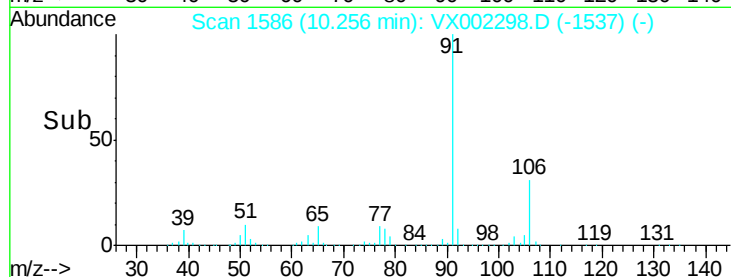
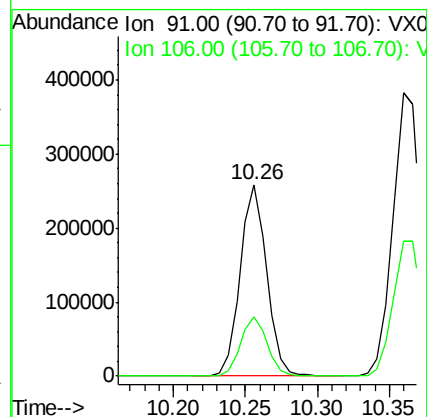
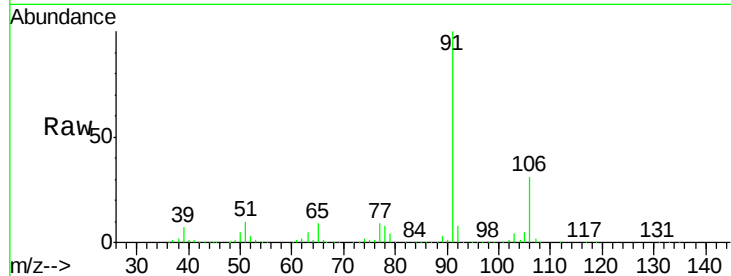
106 31.1 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.457 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002298.D

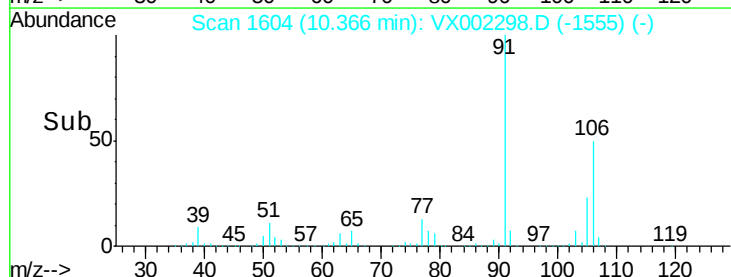
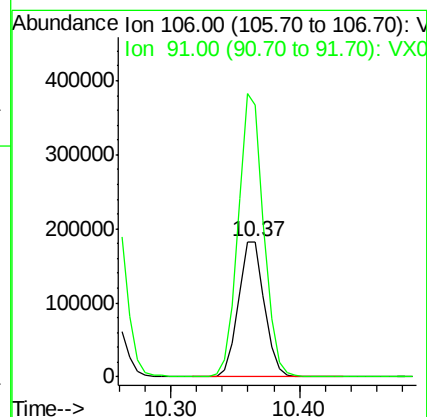
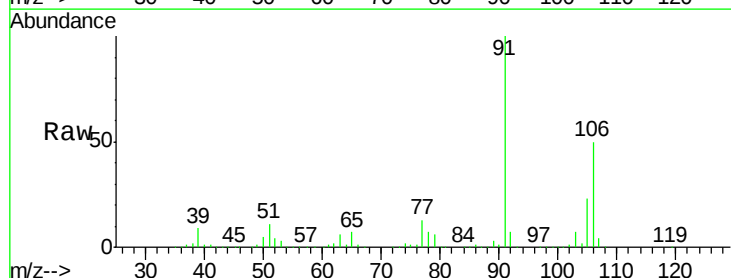
Acq: 05 Jun 2018 11:50

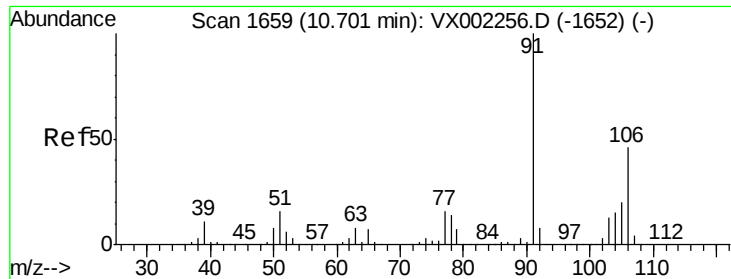
Tgt Ion: 106 Resp: 256140

Ion Ratio Lower Upper

106 100

91 204.5 163.4 245.2





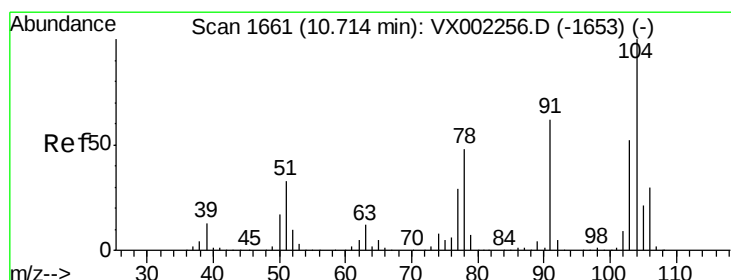
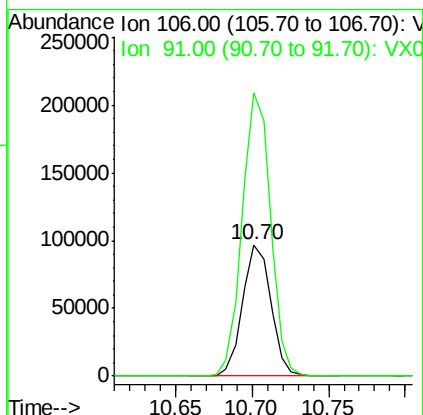
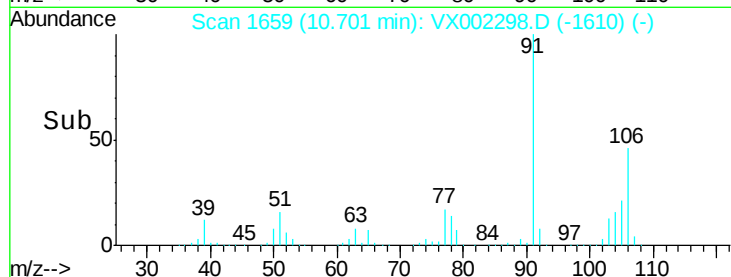
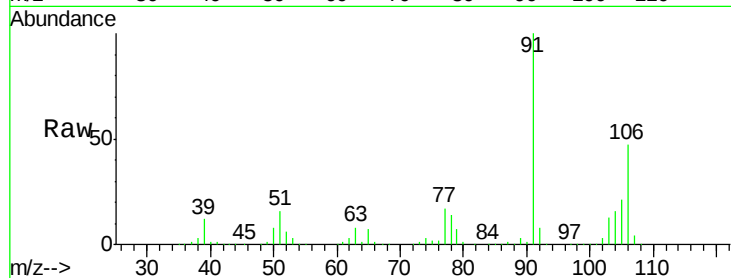
#69
o-Xylene
Concen: 20.338 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampled :
VX0605WBS01

Tot Ion:106 Resp: 125045
Ion Ratio Lower Upper
106 100
91 216.1 108.2 324.6

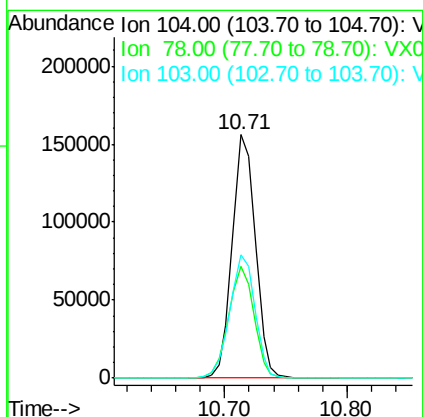
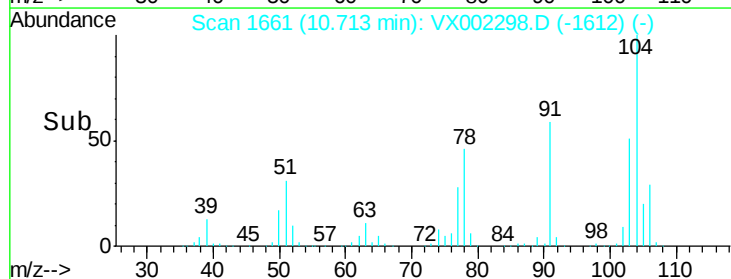
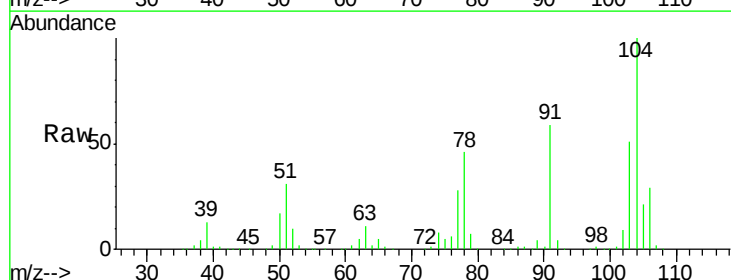
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#70
Styrene
Concen: 20.303 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion:104 Resp: 204069
Ion Ratio Lower Upper
104 100
78 50.7 41.0 61.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 17.436 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:173 Resp: 46249

Ion Ratio Lower Upper

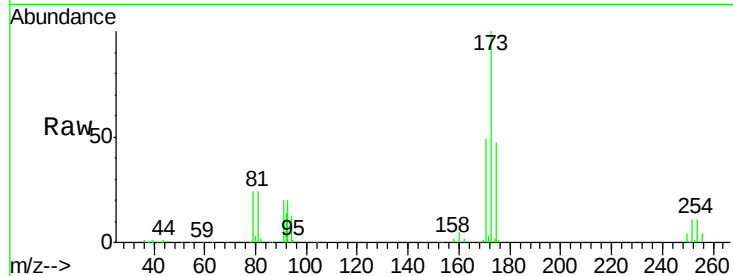
173 100

175 47.7 24.7 74.1

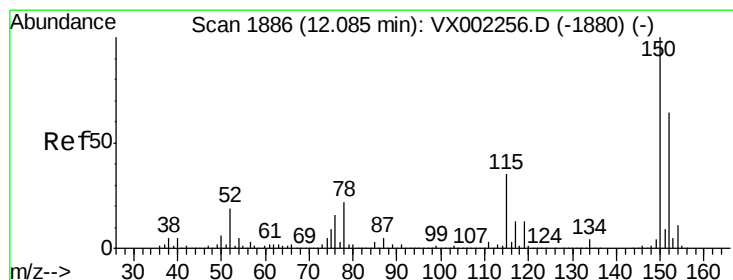
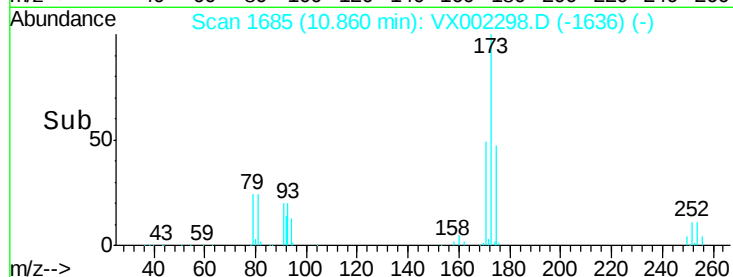
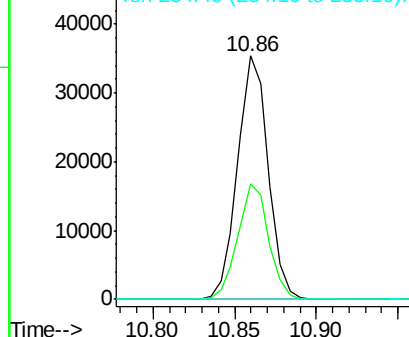
254 0.0 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

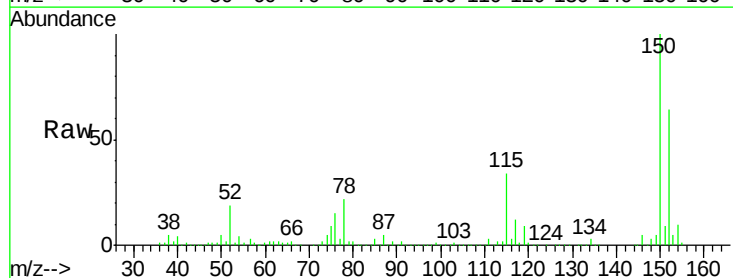
Tgt Ion:152 Resp: 239692

Ion Ratio Lower Upper

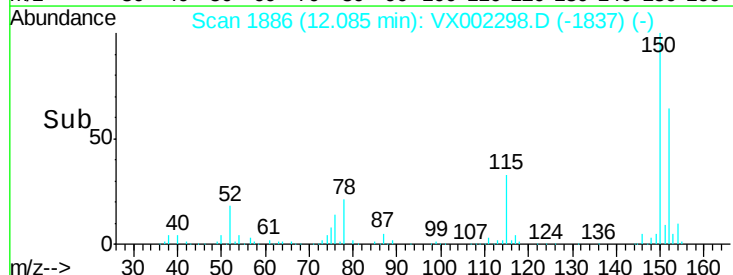
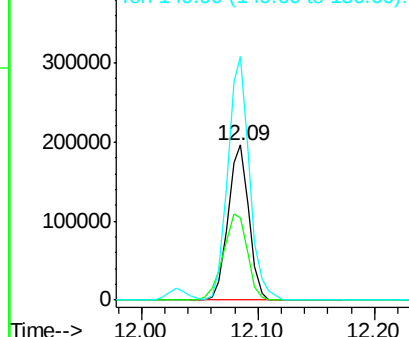
152 100

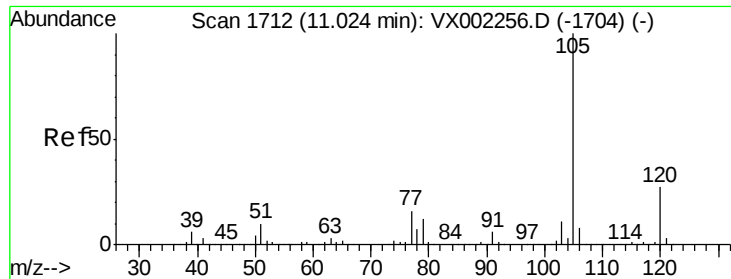
115 64.9 40.1 120.2

150 163.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.490 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion:105 Resp: 341658

Ion Ratio Lower Upper

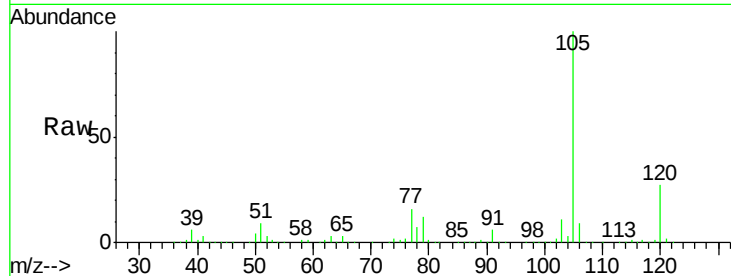
105 100

120 26.8 13.5 40.4

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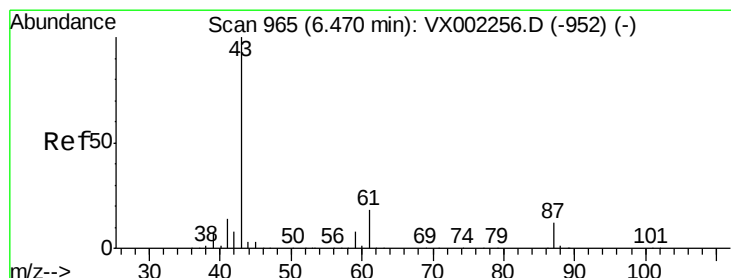
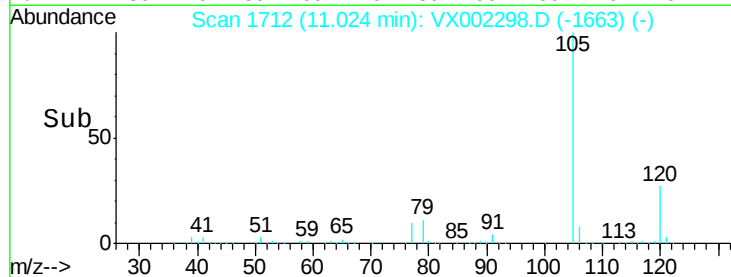
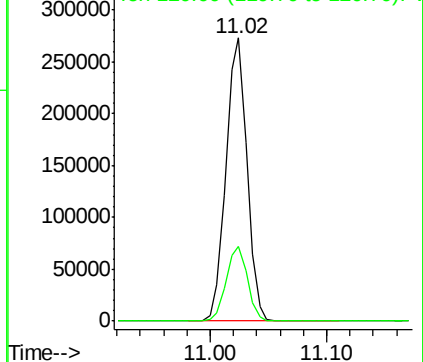
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.545 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion: 43 Resp: 157636

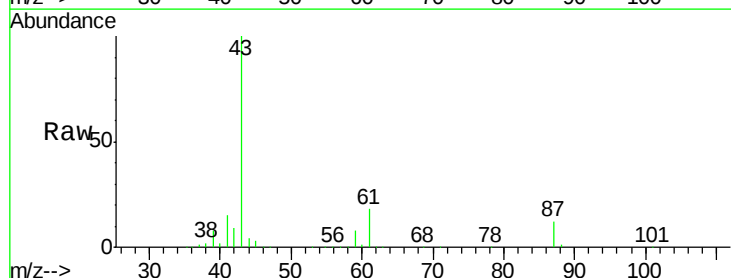
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.3 0.0 0.0#

61 17.9 14.4 21.6

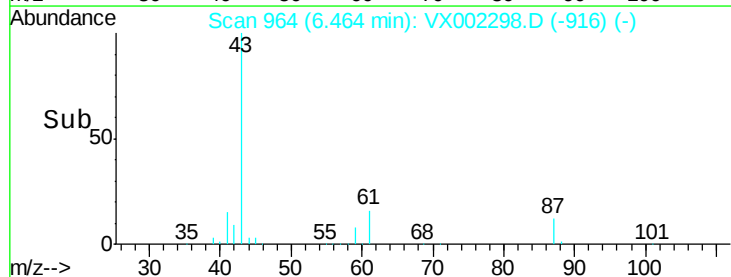
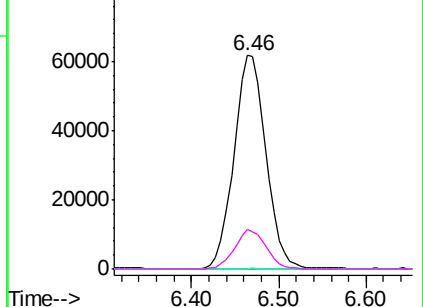


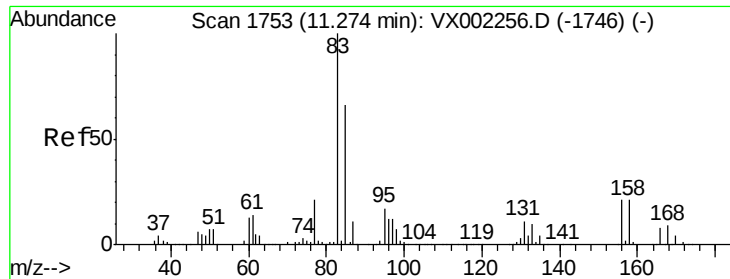
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.992 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

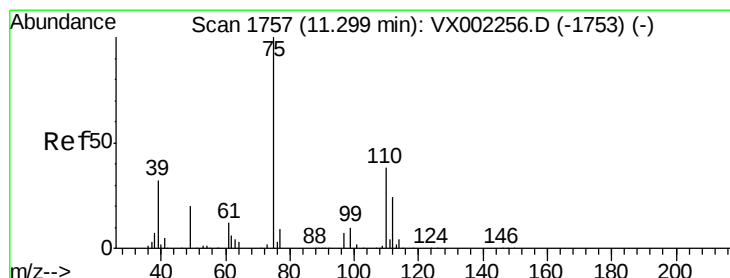
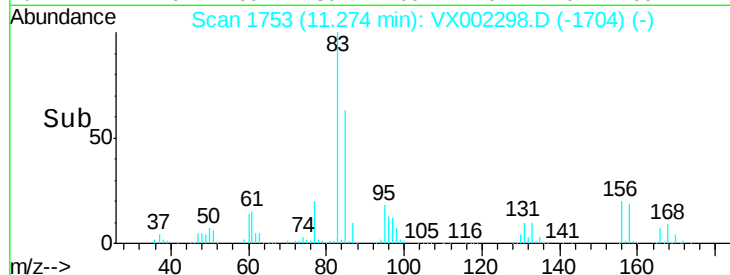
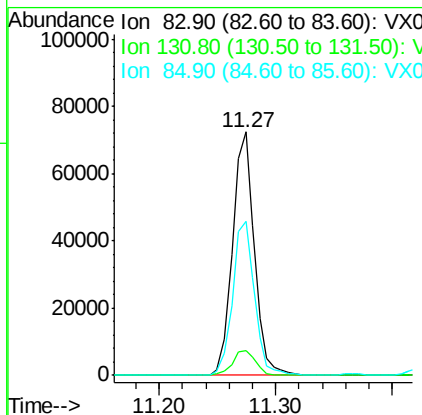
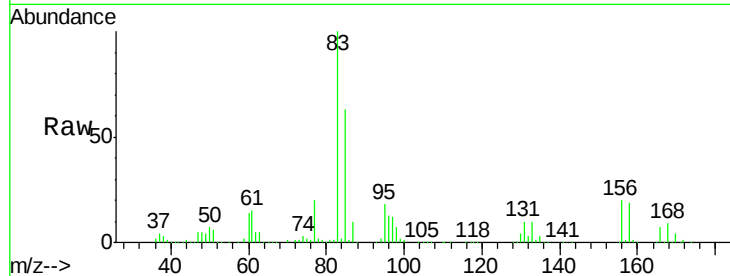
ClientSampleId :

VX0605WBS01

Tot Ion:	83	Resp:	94355
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	63.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 16.207 ug/l m

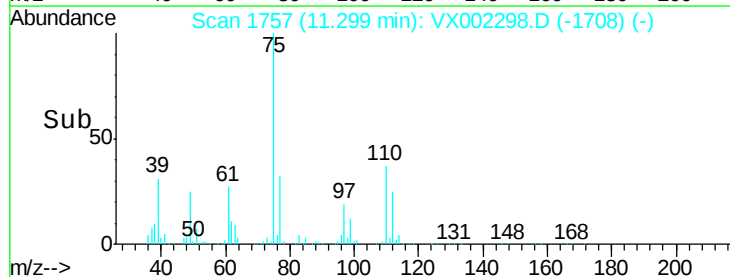
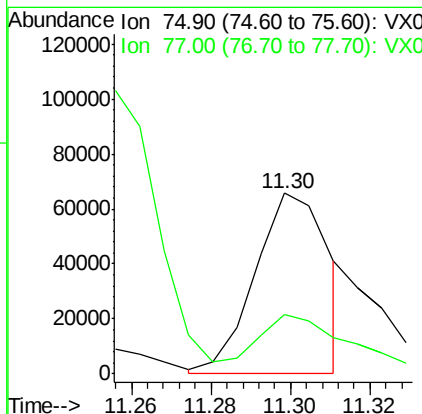
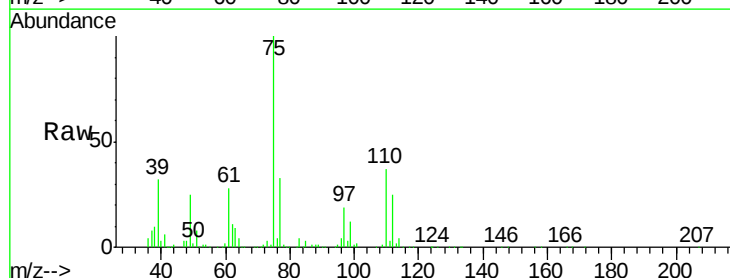
RT: 11.30 min Scan# 1757

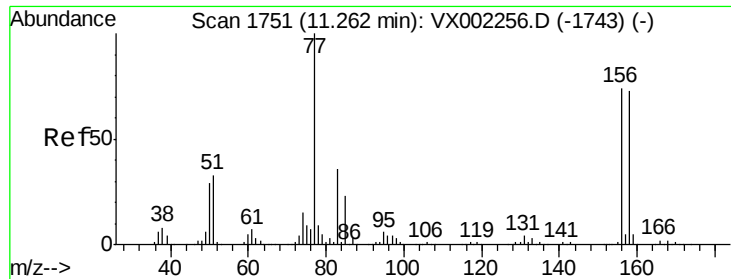
Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion:	75	Resp:	85239
Ion Ratio	Lower	Upper	
75	100		
77	42.0	22.8	68.3





#77

Bromobenzene

Concen: 19.268 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

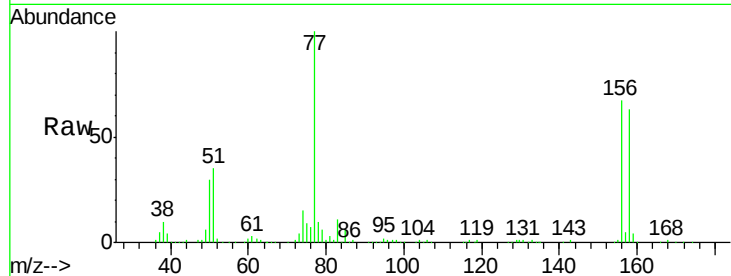
ClientSampled :

VX0605WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		90194		
77	143.0	71.4	214.2		
158	98.0	48.9	146.6		

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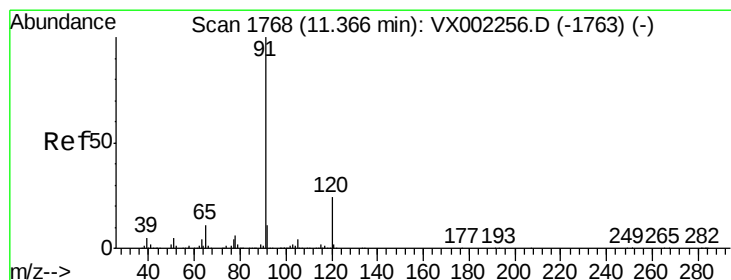
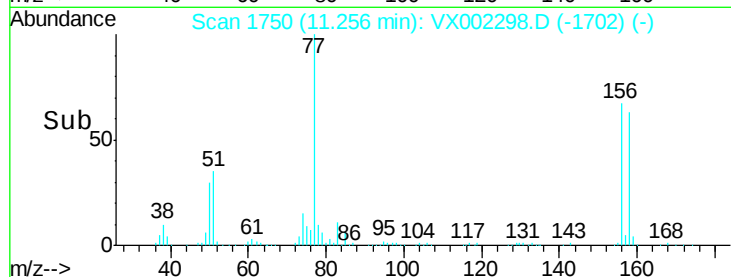
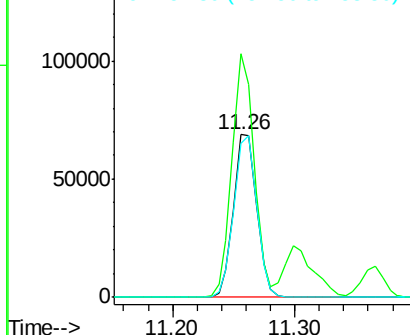
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.254 ug/l

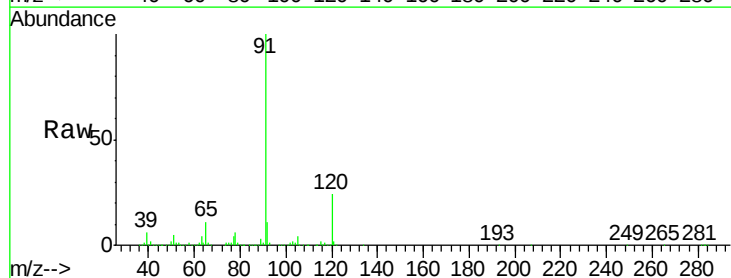
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002298.D

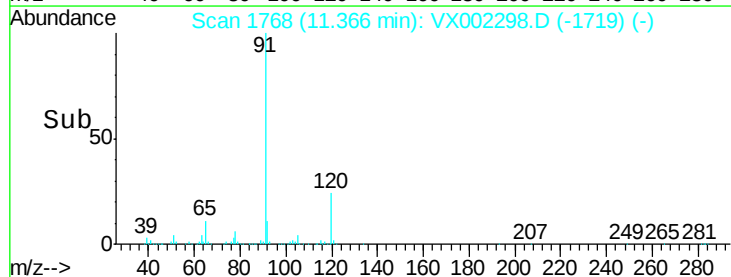
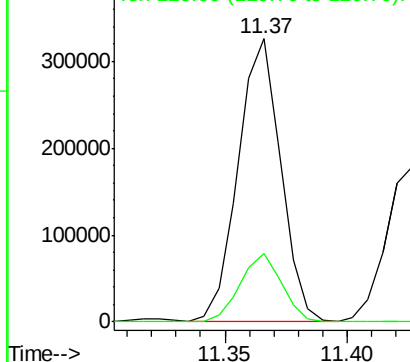
Acq: 05 Jun 2018 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		393907		
120	23.6	11.8	35.4		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.486 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS01

Tot Ion: 91 Resp: 228027

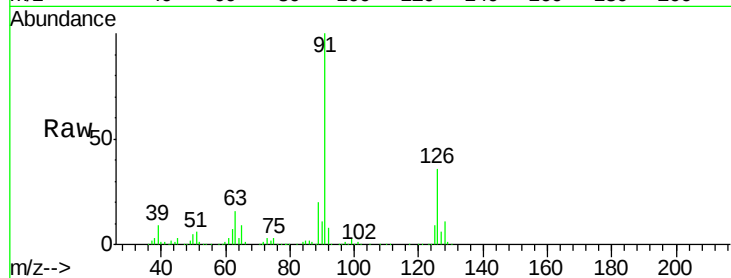
Ion Ratio Lower Upper

91 100

126 35.5 17.7 53.1

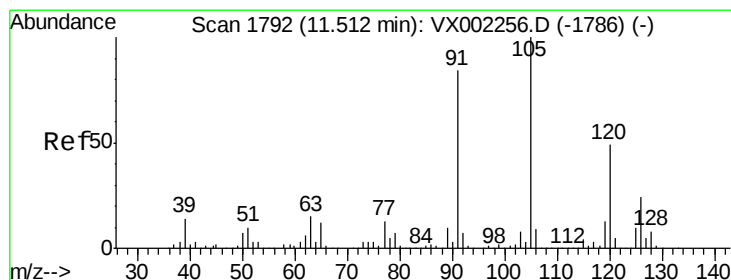
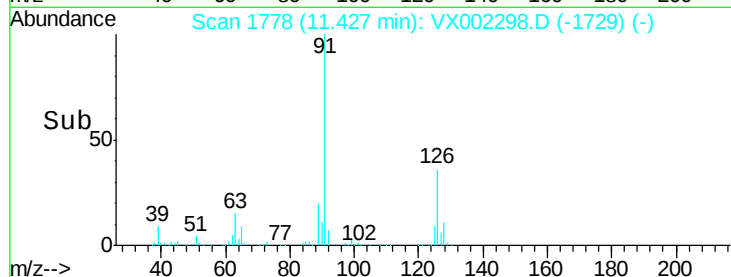
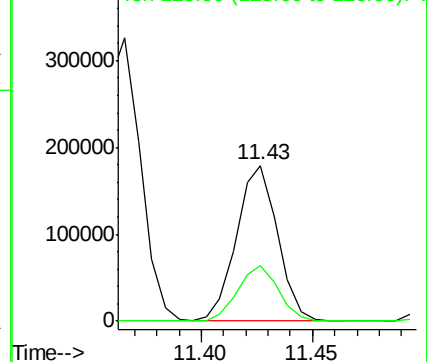
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.297 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002298.D

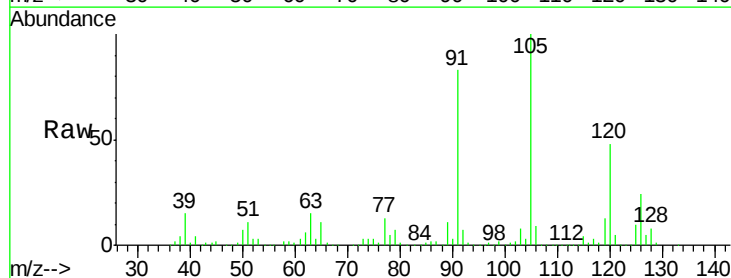
Acq: 05 Jun 2018 11:50

Tgt Ion: 105 Resp: 290277

Ion Ratio Lower Upper

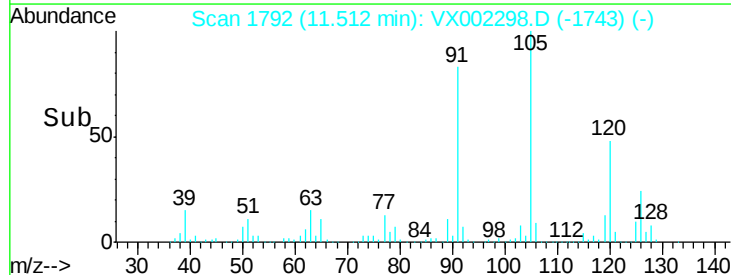
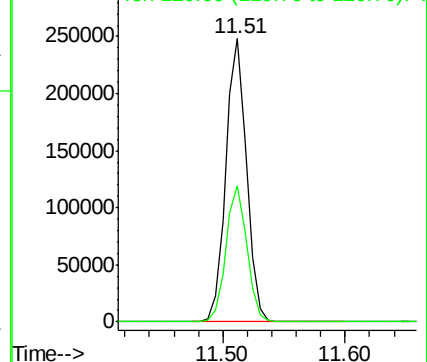
105 100

120 48.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





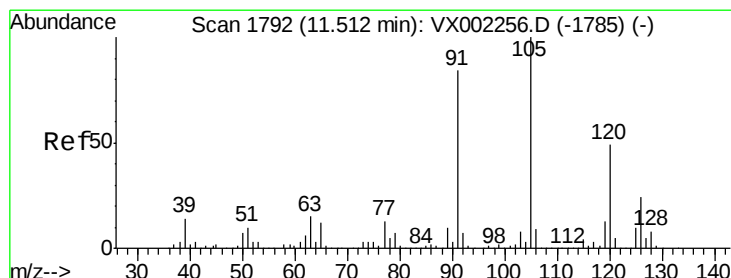
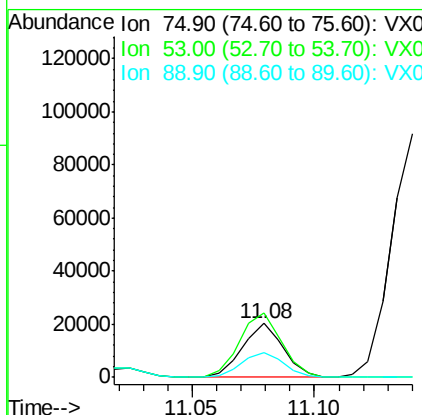
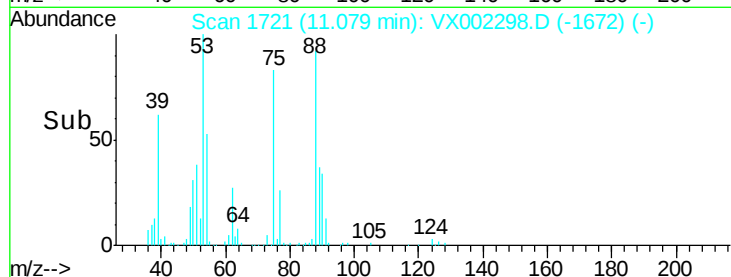
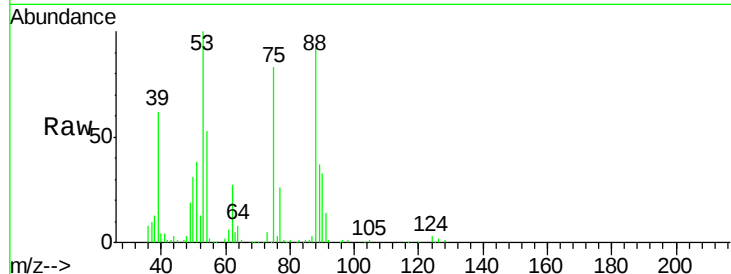
#81
trans-1,4-Dichloro-2-butene
Concen: 15.886 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.0	86.8	130.2
89	47.0	38.2	57.2

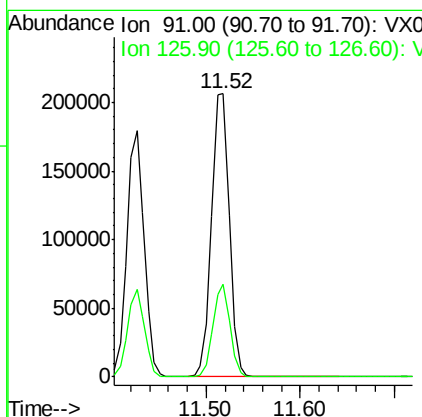
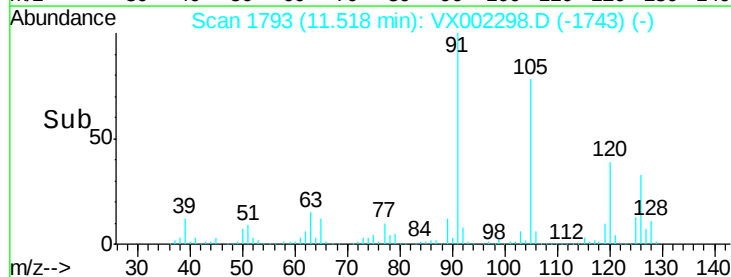
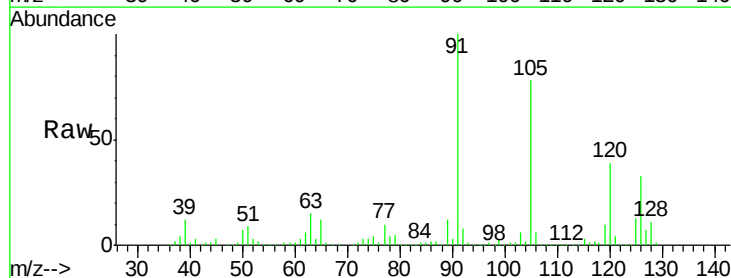
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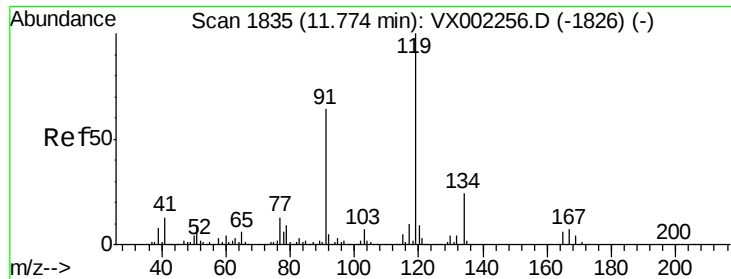
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.098 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.4





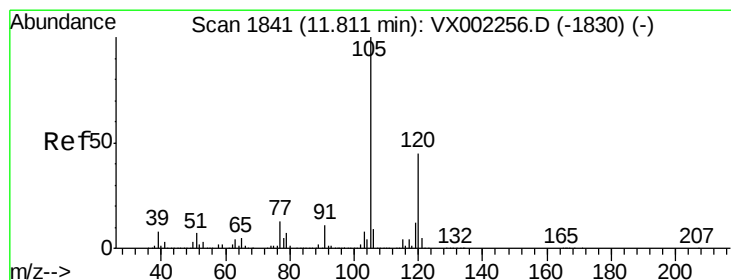
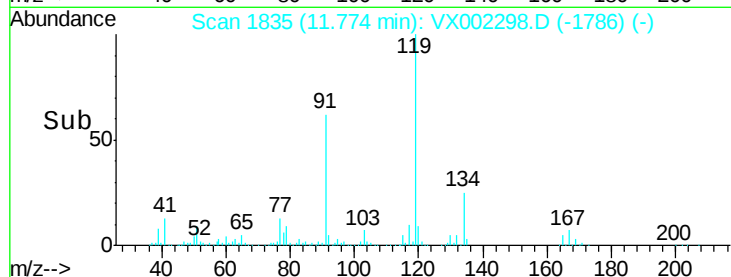
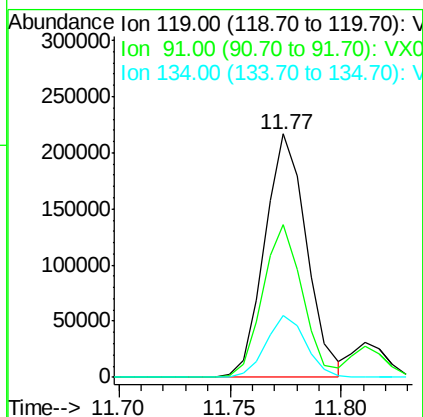
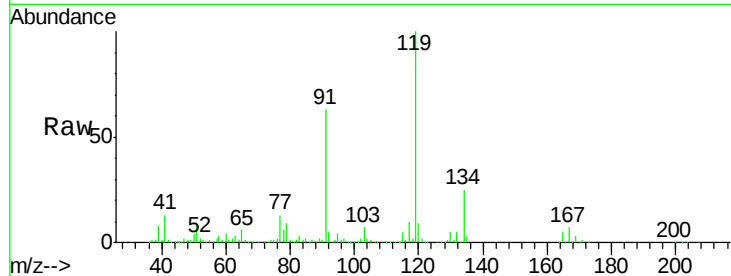
#83
tert-Butylbenzene
Concen: 20.303 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282750		
91	60.1		30.3	90.9
134	24.2		11.7	35.1

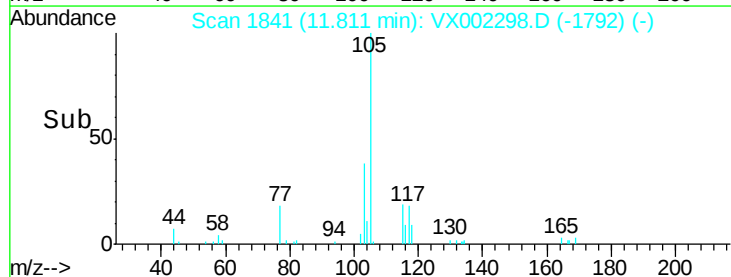
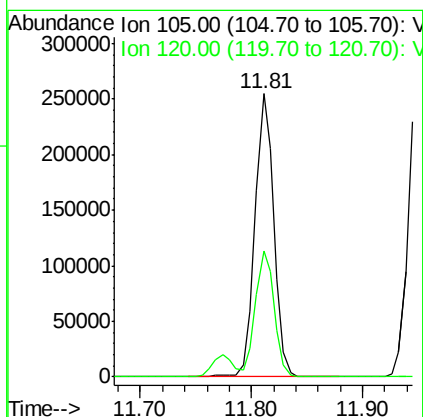
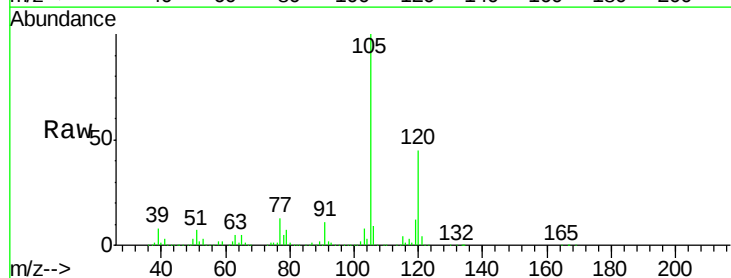
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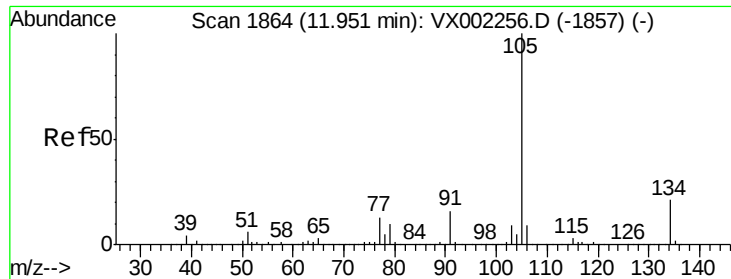
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#84
1,2,4-Trimethylbenzene
Concen: 20.410 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	300481		
120	44.5		22.3	66.8





#85

sec-Butylbenzene

Concen: 21.867 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS01

Tot Ion:105 Resp: 357012

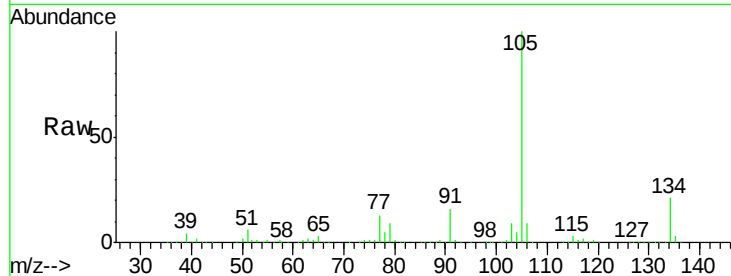
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

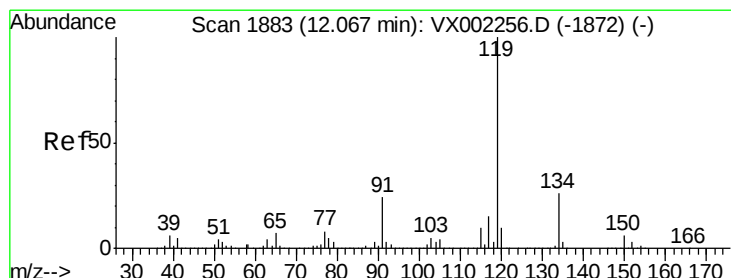
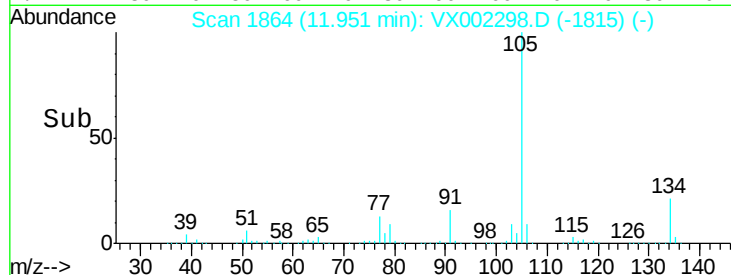
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.392 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

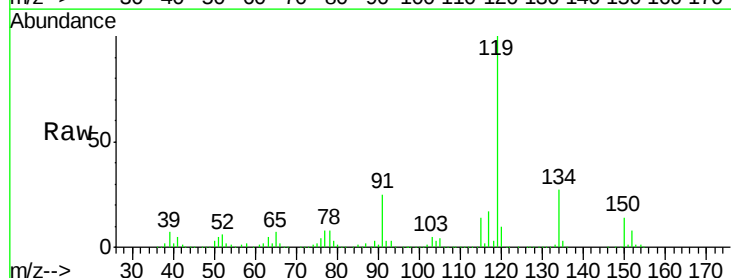
Tgt Ion:119 Resp: 318131

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 24.1 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

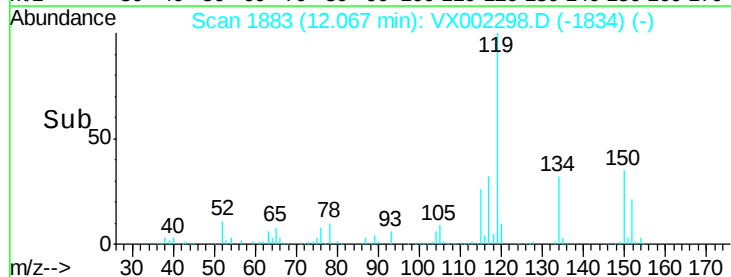
300000

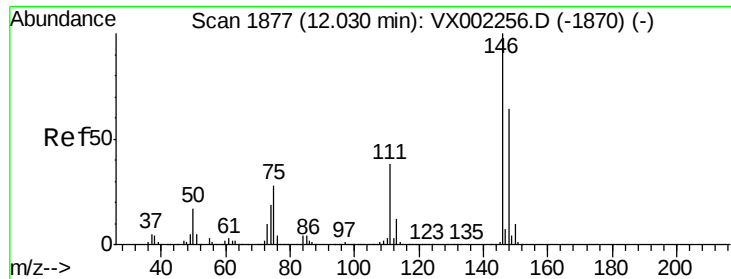
200000

100000

0

Time-->





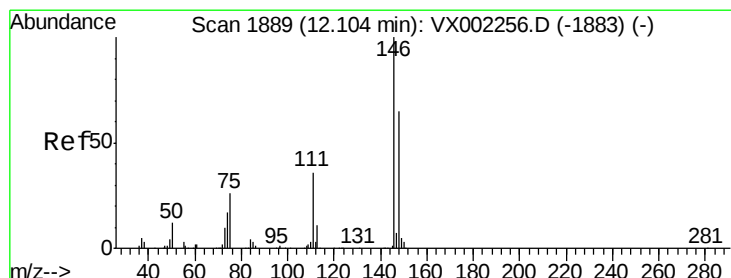
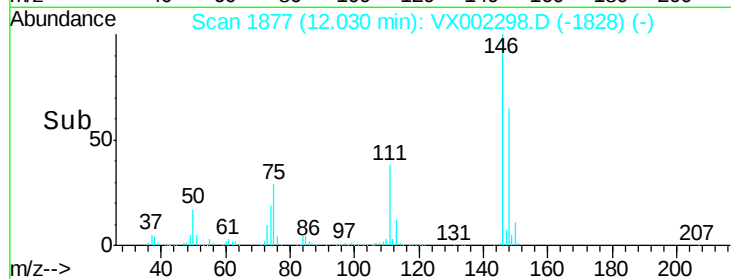
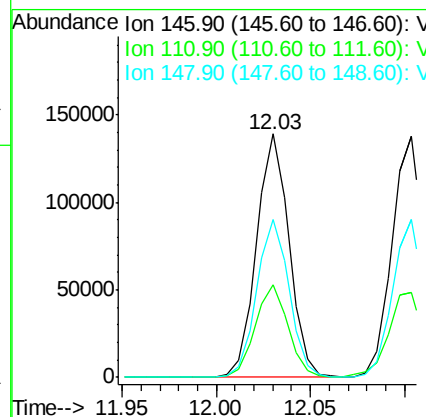
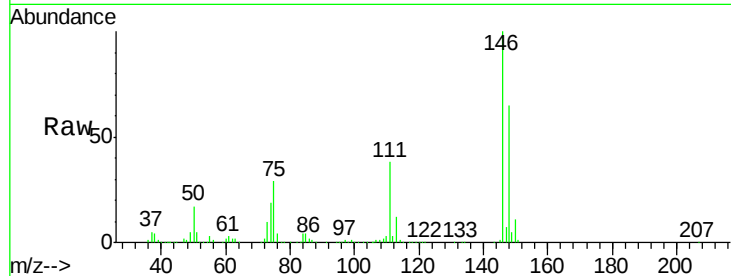
#87
 1,3-Dichlorobenzene
 Concen: 19.889 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.7
148	64.8	32.1	96.3

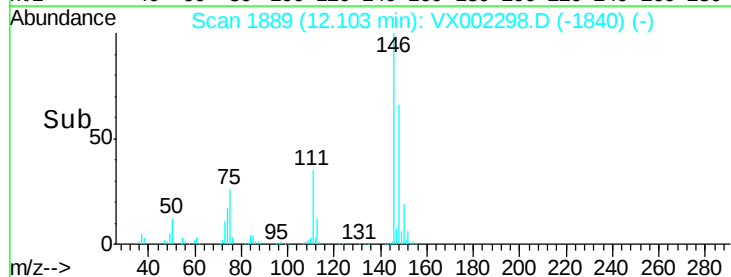
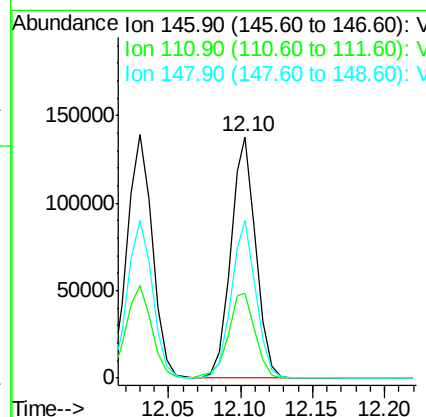
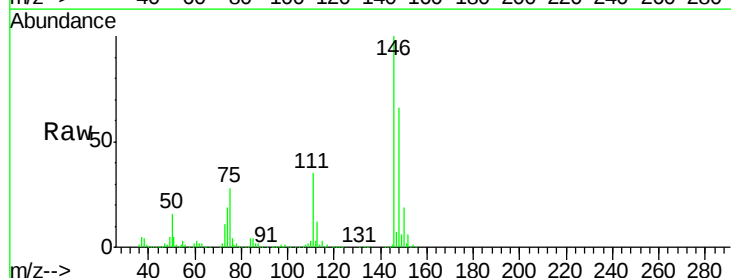
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.451 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	64.5	32.4	97.0





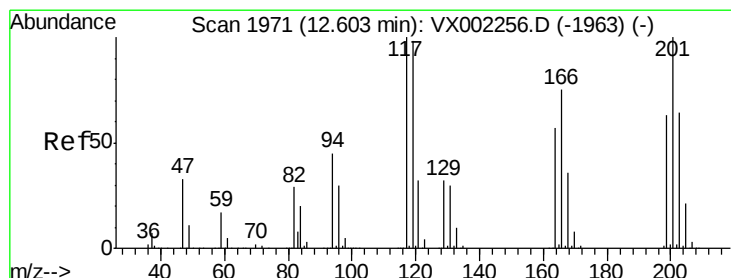
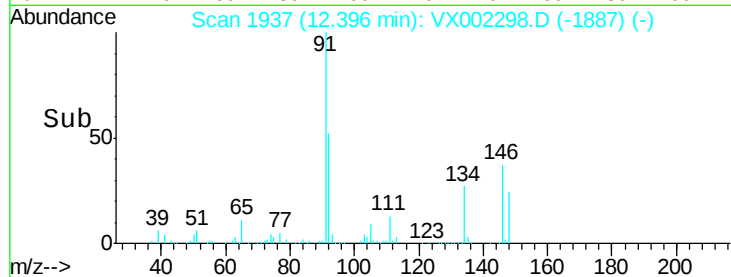
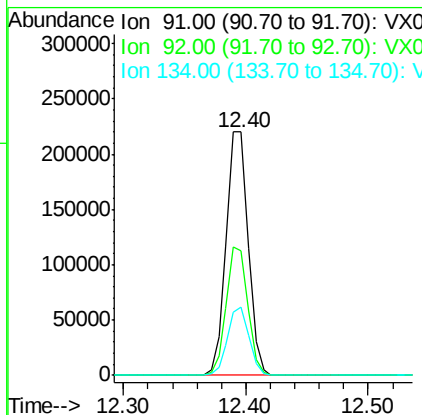
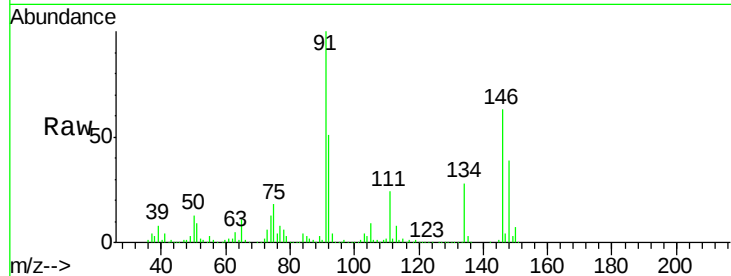
#89
n-Butylbenzene
Concen: 22.064 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	27.1	13.5	40.5

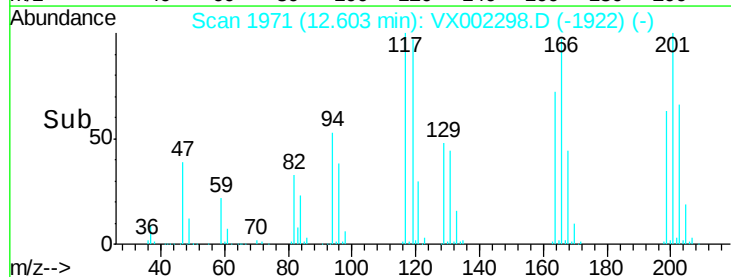
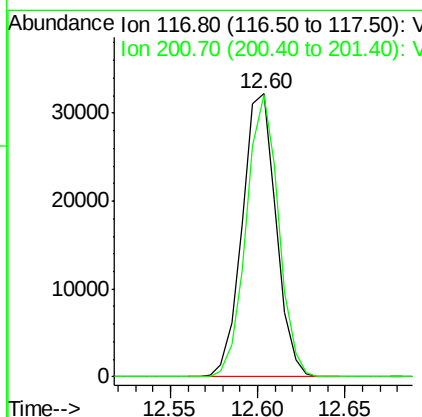
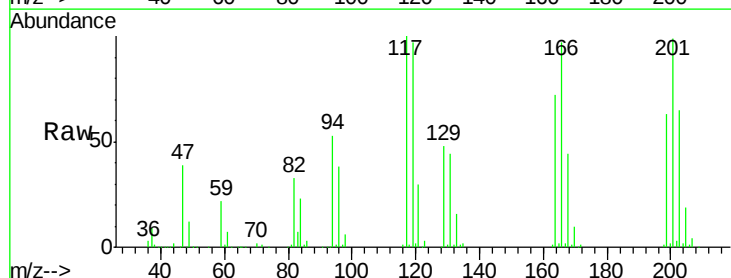
Manual Integrations
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#90
Hexachloroethane
Concen: 18.216 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	49.0	147.0





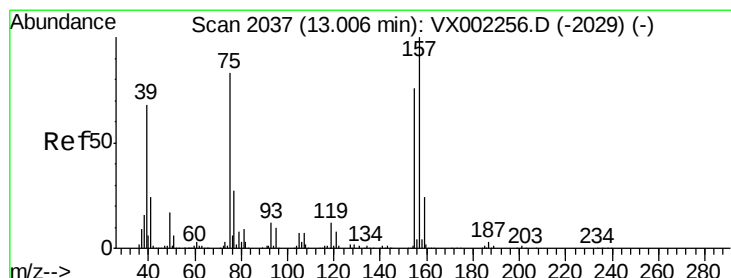
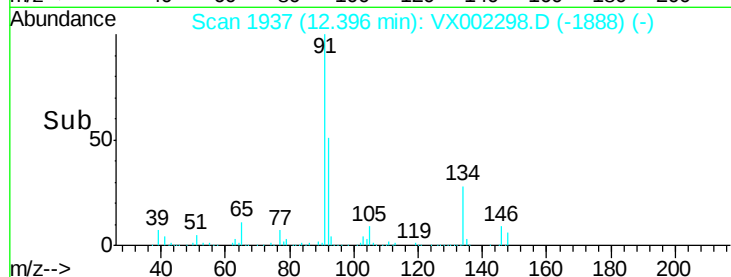
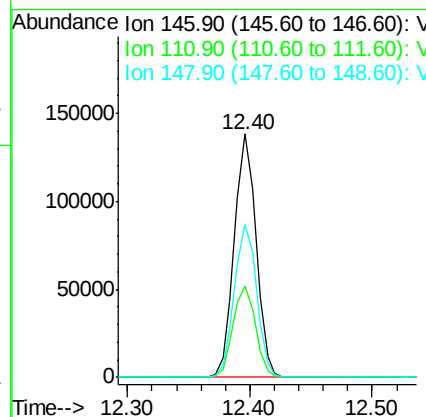
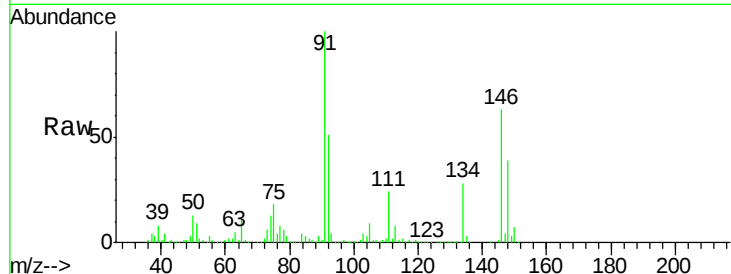
#91
1,2-Dichlorobenzene
Concen: 19.634 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.3	31.7	95.1

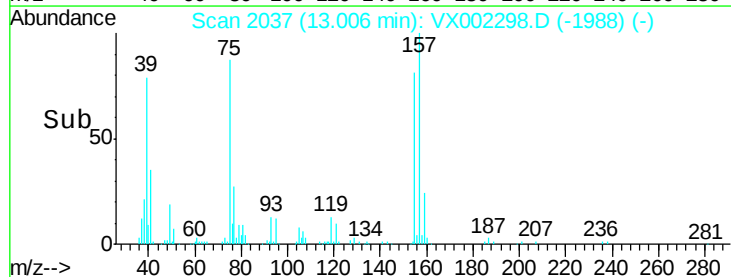
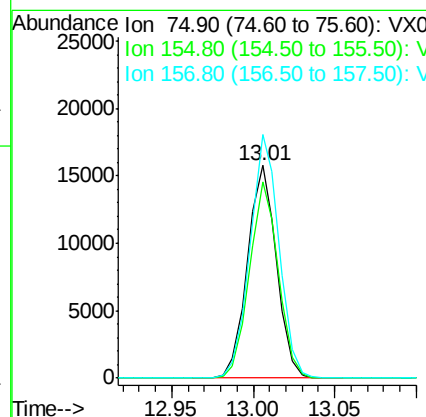
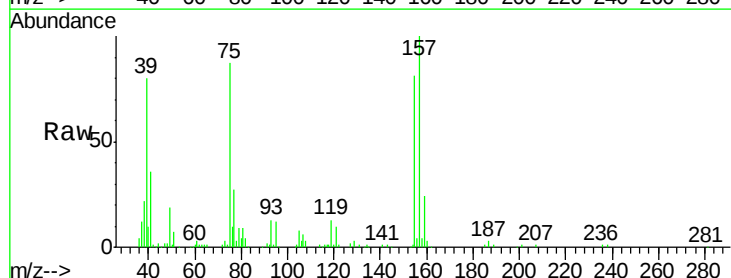
Manual Integrations
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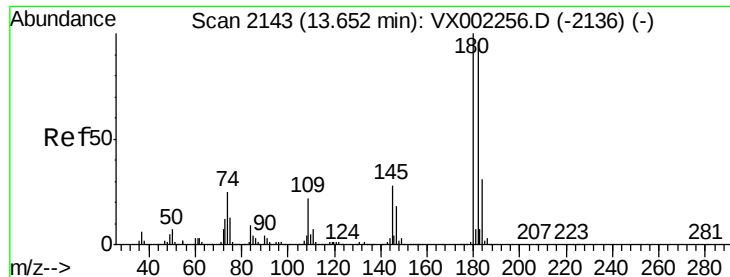
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#92
1,2-Dibromo-3-Chloropropane
Concen: 17.039 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX002298.D
Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	45.8	137.4
157	114.8	60.1	180.3





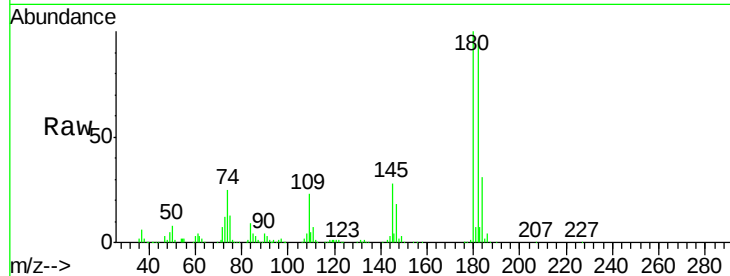
#93
 1,2,4-Trichlorobenzene
 Concen: 20.223 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS01

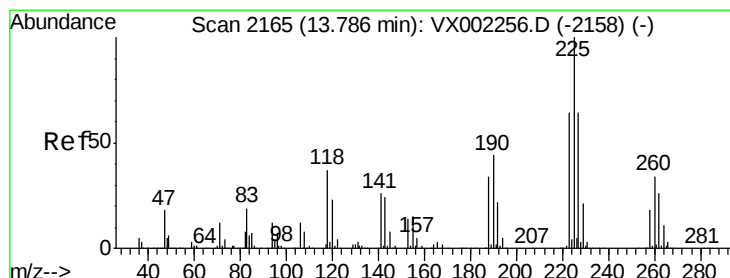
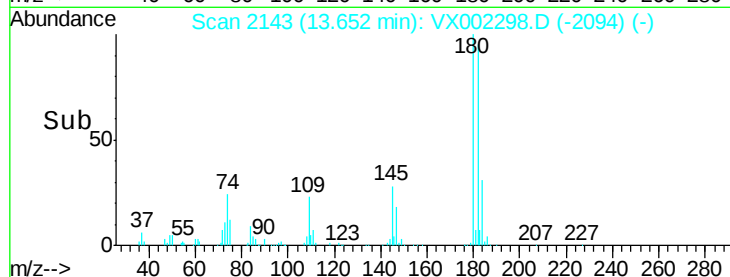
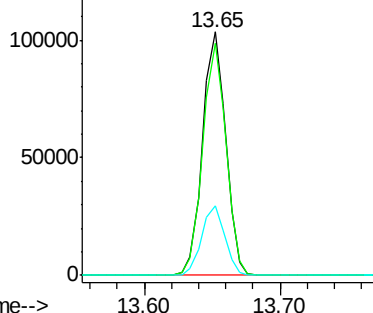
Tot Ion	Ratio	Resp	Lower	Upper
180	100	122801		
182	95.9	47.7	143.1	
145	28.6	14.1	42.4	

Manual Integrations
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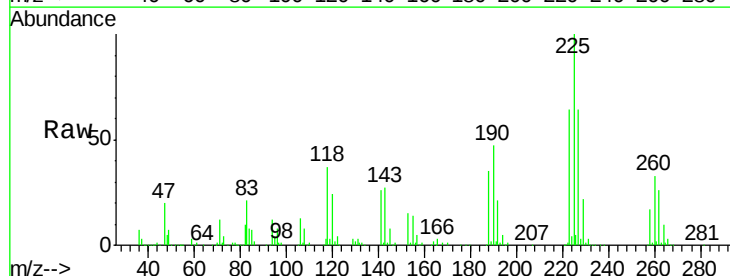


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

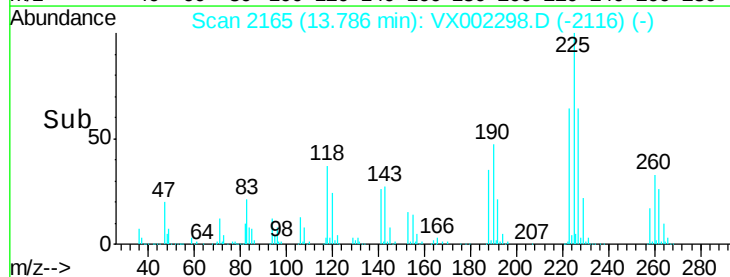
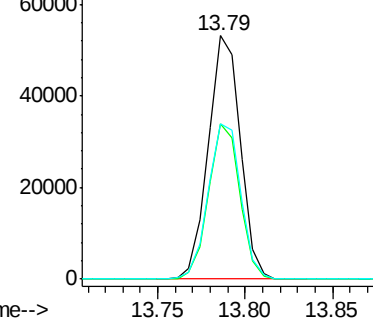


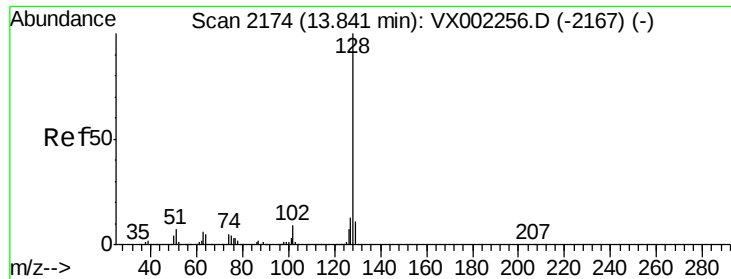
#94
 Hexachlorobutadiene
 Concen: 22.546 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002298.D
 Acq: 05 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67651		
223	62.0	31.6	95.0	
227	64.8	32.4	97.2	



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





#95

Naphthalene

Concen: 19.362 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Instrument :

MSVOA_X

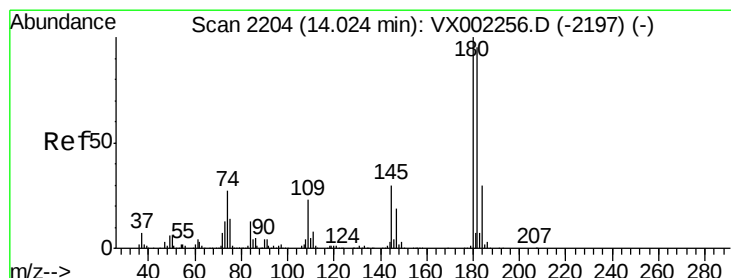
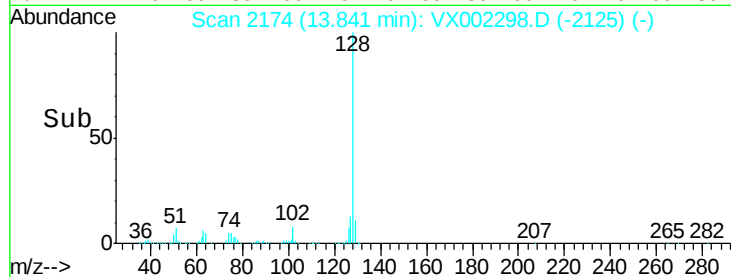
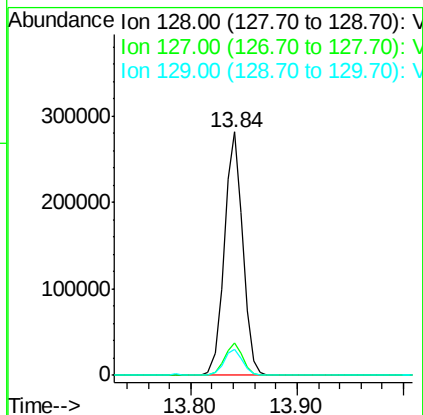
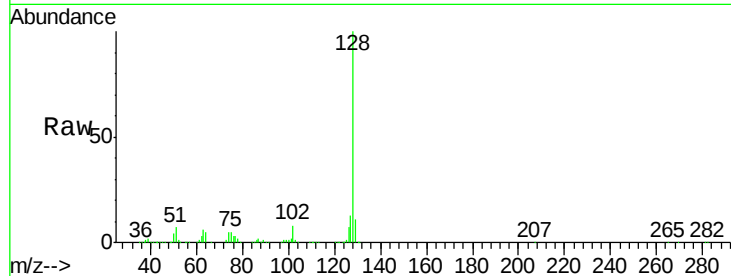
ClientSampleId :

VX0605WBS01

Tot Ion:	128	Resp:	337804
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/6/2018 4:10:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.309 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002298.D

Acq: 05 Jun 2018 11:50

Tgt Ion:	180	Resp:	125771
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.0
145	29.5	14.8	44.3

