

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003399.D
 Acq On : 16 Jul 2018 19:38
 Operator : JC/MD
 Sample : VX0716WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Manual Integrations
 APPROVED

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 7/17/2018 1:46:36 PM

Quant Time: Jul 17 02:12:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	341628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	476785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	453609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	270569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	218230	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	5.51	113	187819	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.72	98	803558	56.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.88%	
62) 4-Bromofluorobenzene	11.14	95	291695	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79920	20.73	ug/l	97
3) Chloromethane	1.32	50	80968	19.40	ug/l	99
4) Vinyl Chloride	1.40	62	89617	19.71	ug/l	98
5) Bromomethane	1.64	94	43893	25.63	ug/l	99
6) Chloroethane	1.72	64	54459	20.25	ug/l	99
7) Trichlorofluoromethane	1.93	101	122084	20.24	ug/l	98
8) Diethyl Ether	2.19	74	50300	19.49	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	74939	19.67	ug/l	98
10) Methyl Iodide	2.51	142	64733	15.88	ug/l	91
11) Tert butyl alcohol	3.09	59	102378	101.75	ug/l	99
12) 1,1-Dichloroethene	2.37	96	71851	19.95	ug/l	88
13) Acrolein	2.29	56	43543	90.22	ug/l	97
14) Allyl chloride	2.73	41	127417	19.51	ug/l	87
15) Acrylonitrile	3.15	53	229285	99.47	ug/l	97
16) Acetone	2.45	43	185770	99.83	ug/l	90
17) Carbon Disulfide	2.57	76	184908	18.71	ug/l	97
18) Methyl Acetate	2.78	43	134998	22.27	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	238686	19.96	ug/l	99
20) Methylene Chloride	2.86	84	82348	24.13	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	75239	19.34	ug/l	91
22) Diisopropyl ether	3.88	45	249713	19.71	ug/l	98
23) Vinyl Acetate	3.83	43	1011112	96.76	ug/l	98
24) 1,1-Dichloroethane	3.70	63	142683	19.85	ug/l	98
25) 2-Butanone	4.72	43	297116	102.02	ug/l	91
26) 2,2-Dichloropropane	4.59	77	81705	16.19	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	84486	20.19	ug/l	98
28) Bromochloromethane	5.03	49	64566	20.69	ug/l	85
29) Tetrahydrofuran	5.18	42	190556	103.17	ug/l	91
30) Chloroform	5.22	83	135819	20.50	ug/l	95
31) Cyclohexane	5.58	56	115672	20.84	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	117636	20.88	ug/l	98
36) 1,1-Dichloropropene	5.81	75	98616	20.43	ug/l	97
37) Ethyl Acetate	4.88	43	109083	20.05	ug/l	95
38) Carbon Tetrachloride	5.79	117	101234	20.60	ug/l	97

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Manual Integrations
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Quant Time: Jul 17 02:12:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	114458	20.71	ug/l	93
40) Benzene	6.15	78	321921	21.91	ug/l	97
41) Methacrylonitrile	5.07	41	61574	20.58	ug/l	92
42) 1,2-Dichloroethane	6.21	62	105349	20.91	ug/l	95
43) Isopropyl Acetate	6.48	43	170178	20.72	ug/l #	94
44) Trichloroethene	7.22	130	87343	20.52	ug/l	99
45) 1,2-Dichloropropane	7.53	63	80508	21.07	ug/l	99
46) Dibromomethane	7.67	93	52933	20.80	ug/l	96
47) Bromodichloromethane	7.90	83	100243	21.51	ug/l	93
48) Methyl methacrylate	7.79	41	86995	20.77	ug/l	85
49) 1,4-Dioxane	7.76	88	40007	417.10	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	638597	118.14	ug/l	94
52) Toluene	8.79	92	222049	24.14	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	124655	22.66	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	105431	21.00	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	83996	21.86	ug/l	97
56) Ethyl methacrylate	9.19	69	114939	21.12	ug/l #	84
57) 1,3-Dichloropropane	9.38	76	131369	21.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	323980	118.75	ug/l	96
59) 2-Hexanone	9.50	43	437377	105.31	ug/l	88
60) Dibromochloromethane	9.59	129	78378	20.53	ug/l	100
61) 1,2-Dibromoethane	9.68	107	83948	21.19	ug/l	100
64) Tetrachloroethene	9.34	164	102696	21.64	ug/l	99
65) Chlorobenzene	10.14	112	221815	20.70	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	79316	20.82	ug/l	100
67) Ethyl Benzene	10.26	91	361638	20.65	ug/l	100
68) m/p-Xylenes	10.36	106	284084	41.93	ug/l	95
69) o-Xylene	10.70	106	136745	21.01	ug/l	96
70) Styrene	10.71	104	225773	21.08	ug/l	97
71) Bromoform	10.86	173	62271	20.32	ug/l #	99
73) Isopropylbenzene	11.02	105	393848	22.73	ug/l	100
74) N-amyl acetate	6.48	43	170178	20.43	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	136224	23.82	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	134268m	27.41	ug/l	
77) Bromobenzene	11.26	156	111179	22.60	ug/l	95
78) n-propylbenzene	11.37	91	460750	23.81	ug/l	99
79) 2-Chlorotoluene	11.43	91	281075	23.69	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	318561	22.51	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	32311	21.43	ug/l	90
82) 4-Chlorotoluene	11.51	91	299809	21.66	ug/l	99
83) tert-Butylbenzene	11.77	119	320165	23.15	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	340876	23.45	ug/l	100
85) sec-Butylbenzene	11.95	105	393791	23.47	ug/l	100
86) p-Isopropyltoluene	12.07	119	342123	22.91	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	202862	22.53	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	190368	20.82	ug/l	98
89) n-Butylbenzene	12.39	91	289751	22.77	ug/l	99
90) Hexachloroethane	12.60	117	50235	22.20	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	211601	23.39	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	28279	23.77	ug/l	92

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

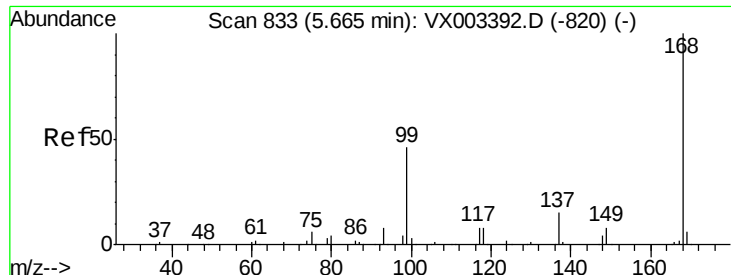
Manual Integrations
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7/17/2018 1:46:36 PM

Quant Time: Jul 17 02:12:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 13:15:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	140372	22.68	ug/l	95
94) Hexachlorobutadiene	13.79	225	68058	22.84	ug/l	99
95) Naphthalene	13.84	128	434760	24.51	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	155963	24.50	ug/l	98

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



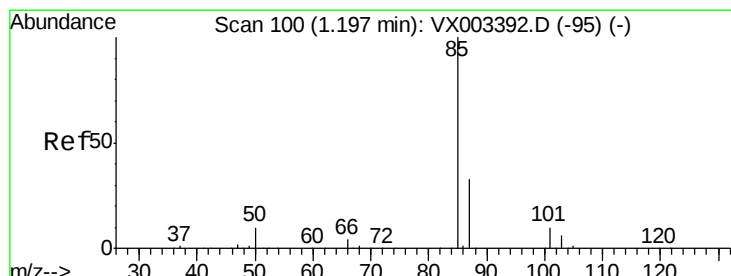
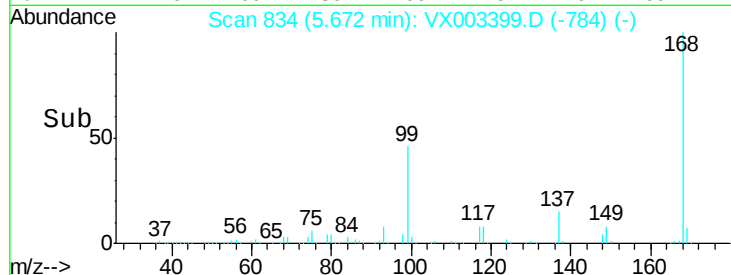
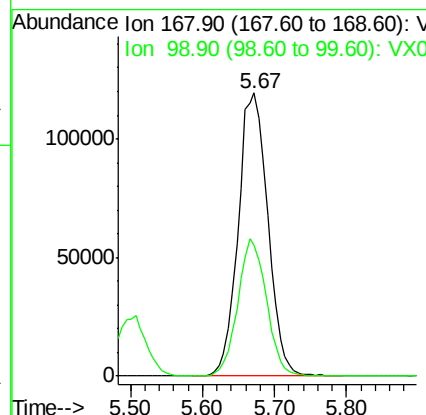
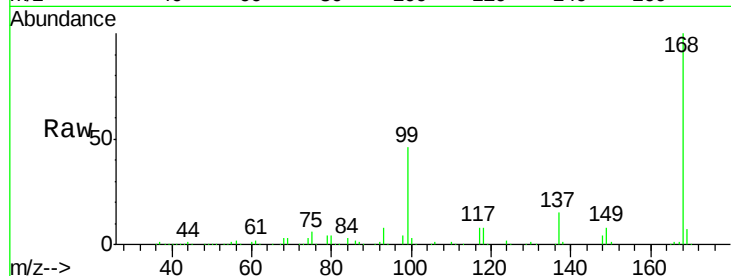
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampled :
VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	341628		
99	46.4	39.3	58.9	

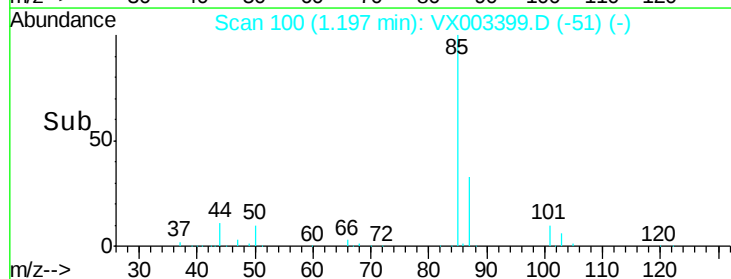
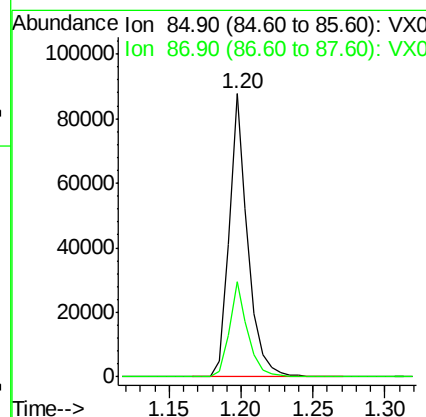
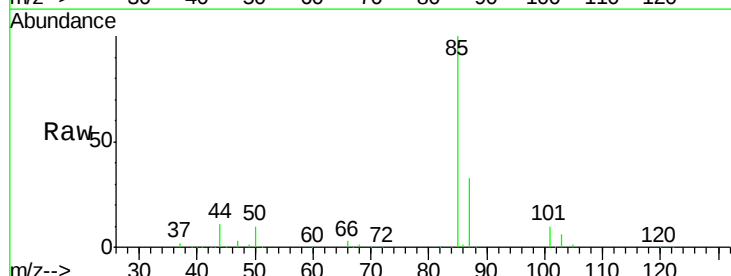
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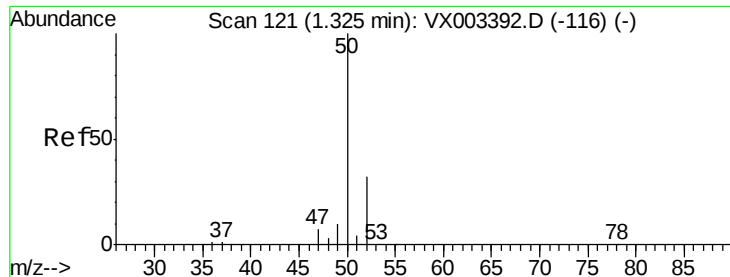
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#2
Dichlorodifluoromethane
Concen: 20.73 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	79920		
87	33.5	16.0	47.9	





#3

Chloromethane

Concen: 19.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 50 Resp: 80968

Ion Ratio Lower Upper

50 100

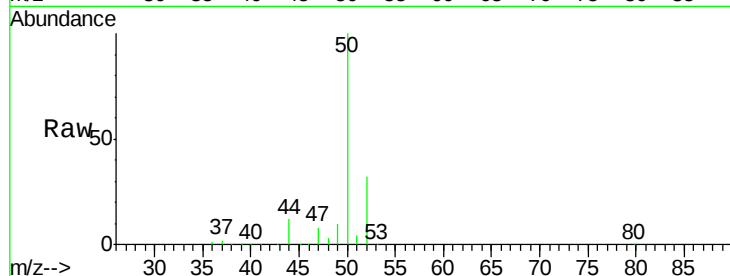
52 31.5 25.7 38.5

Manual Integrations

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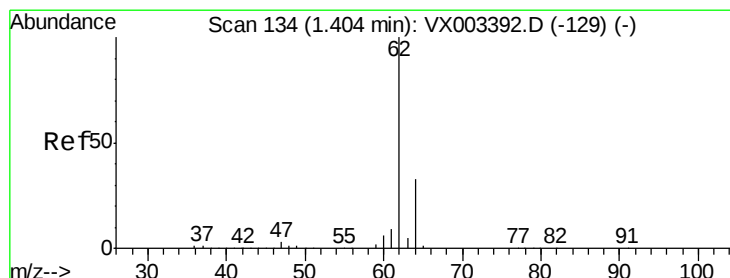
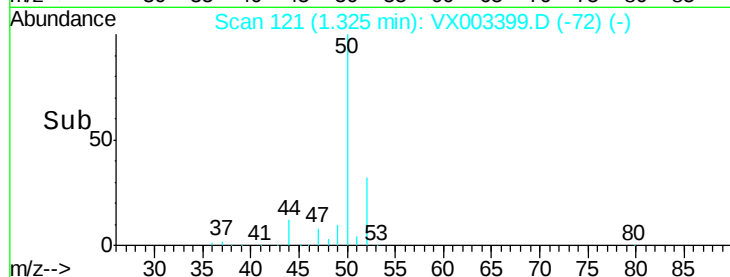
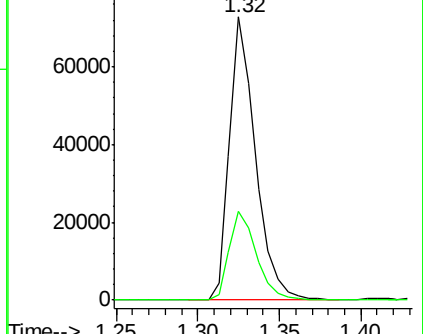
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003399.D

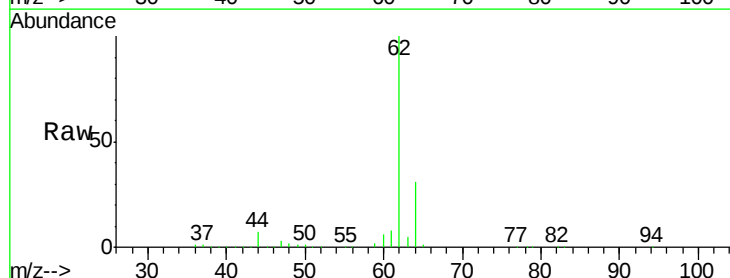
Acq: 16 Jul 2018 19:38

Tgt Ion: 62 Resp: 89617

Ion Ratio Lower Upper

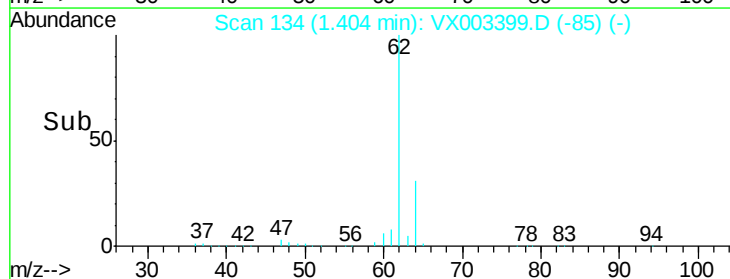
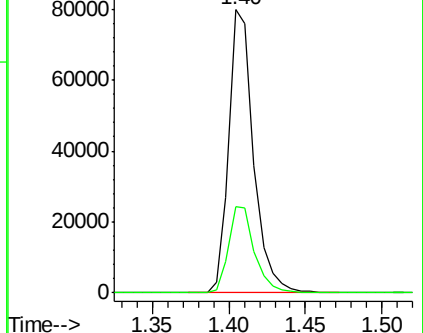
62 100

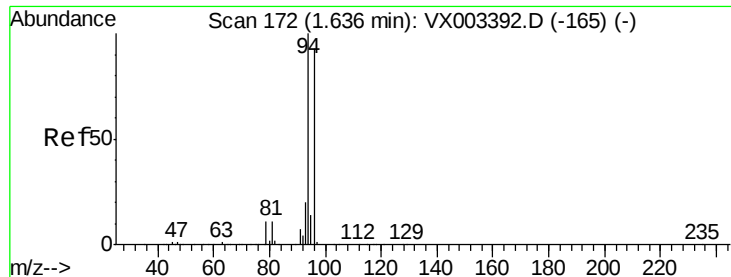
64 30.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 25.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 94 Resp: 43893

Ion Ratio Lower Upper

94 100

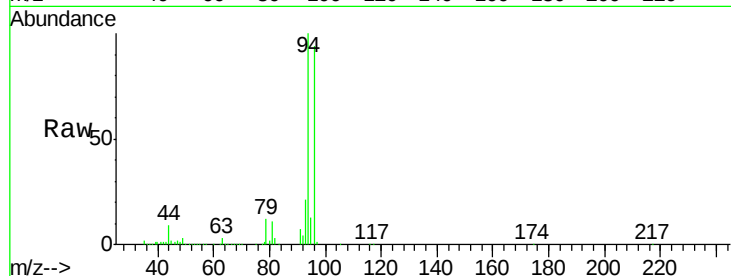
96 94.4 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

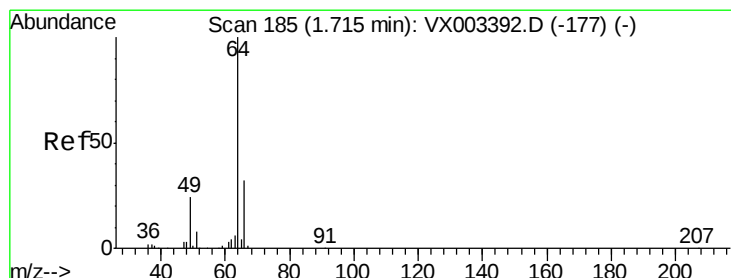
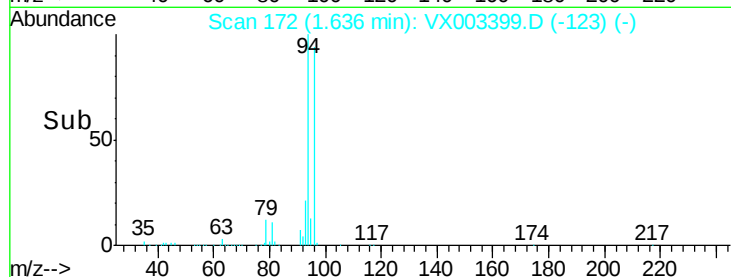
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10000

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Time-->

1.60 1.70 1.80



#6

Chloroethane

Concen: 20.25 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003399.D

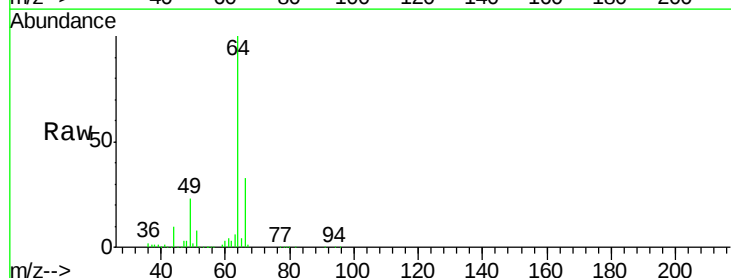
Acq: 16 Jul 2018 19:38

Tgt Ion: 64 Resp: 54459

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

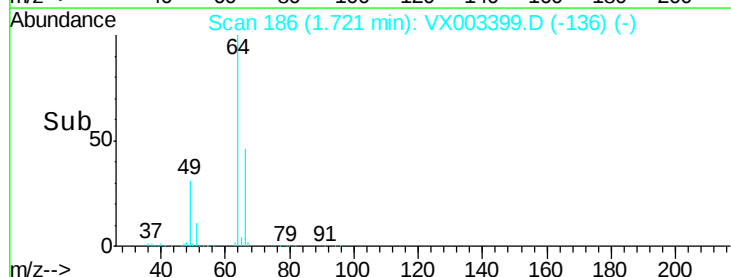
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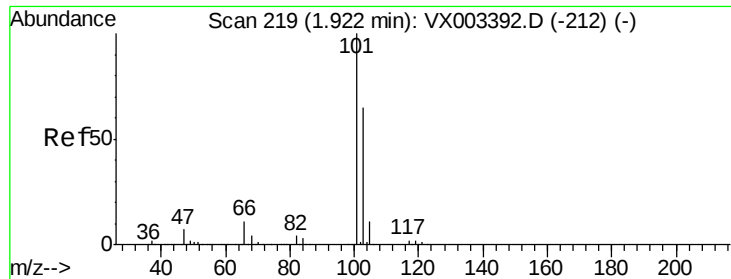
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Time-->

1.60 1.65 1.70 1.75 1.80





#7

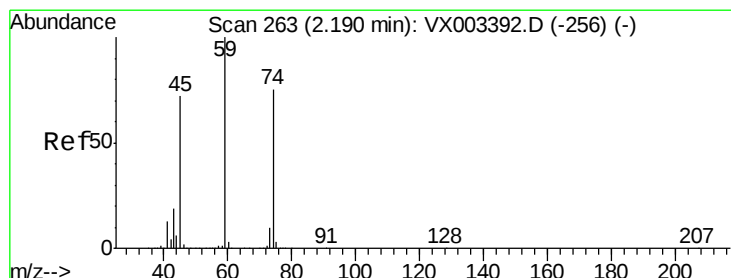
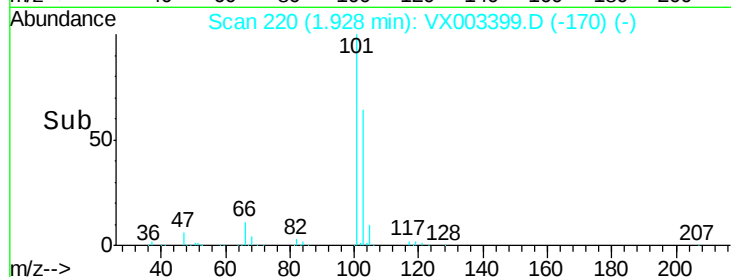
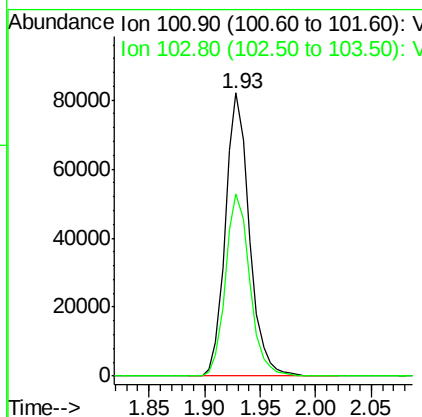
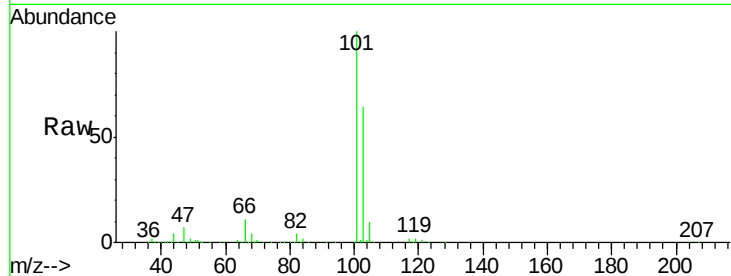
Trichlorofluoromethane
 Concen: 20.24 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

Manual Integrations
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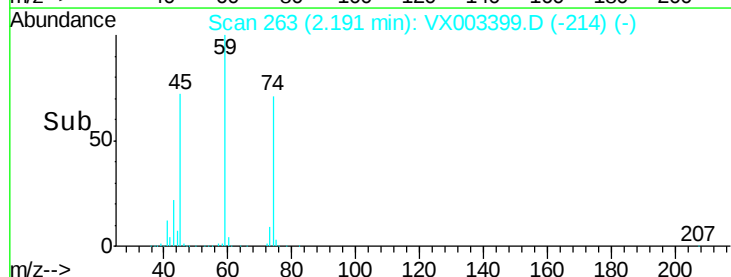
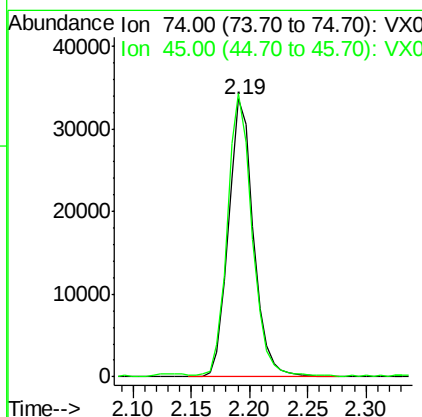
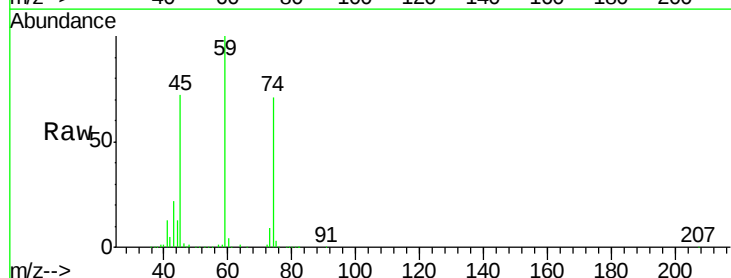
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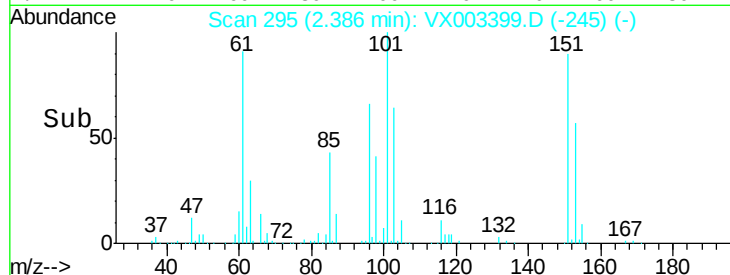
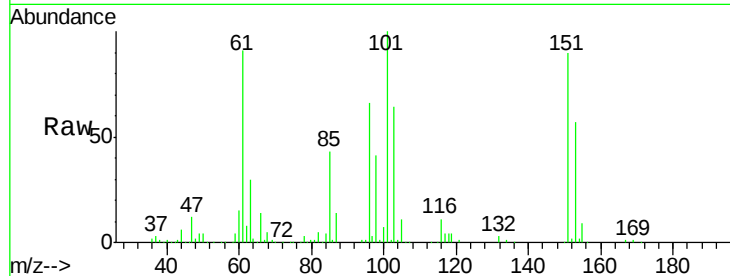
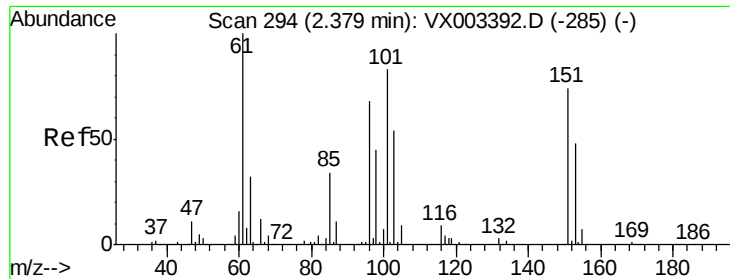


#8

Diethyl Ether
 Concen: 19.49 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	53.1	159.4





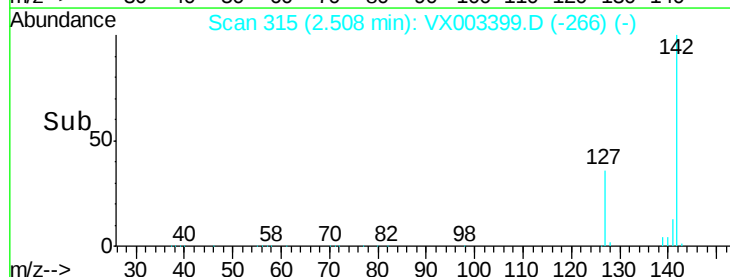
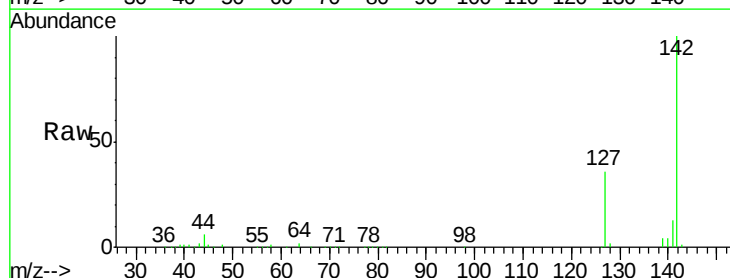
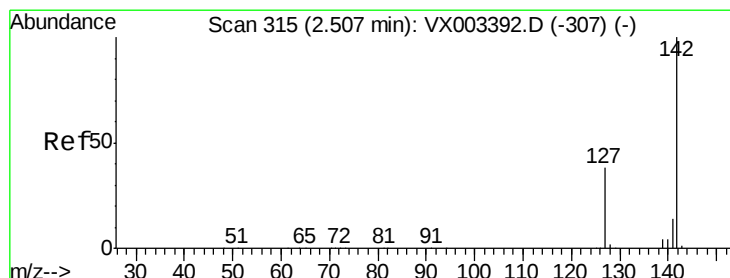
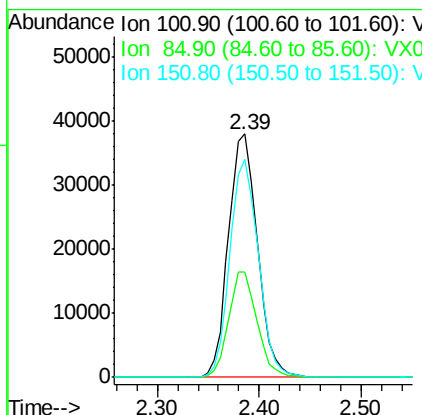
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.67 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tot Ion	Ratio	Resp	Lower	Upper
101	100	74939		
85	42.2	36.0	54.0	
151	87.9	70.9	106.3	

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

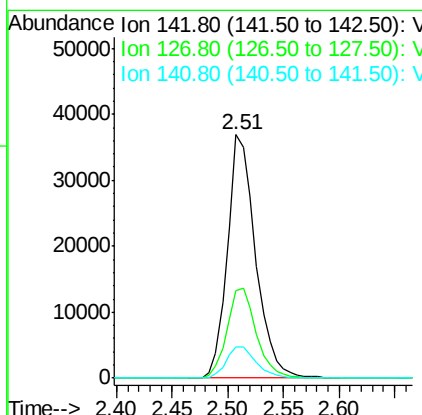
Manual Integrations
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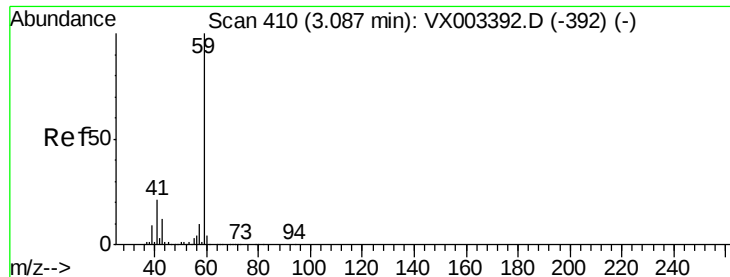
MMDadoda
7/17/2018 1:46:36 PM



#10
Methyl Iodide
Concen: 15.88 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	64733		
127	38.5	36.6	55.0	
141	13.7	11.3	16.9	





#11

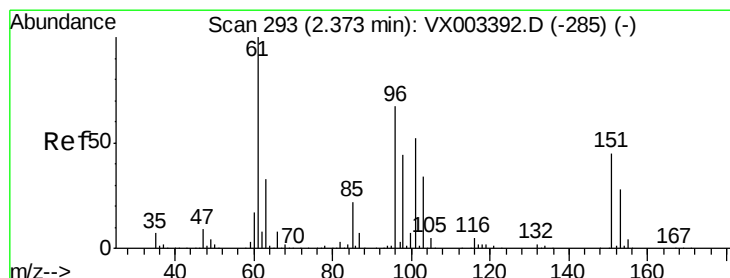
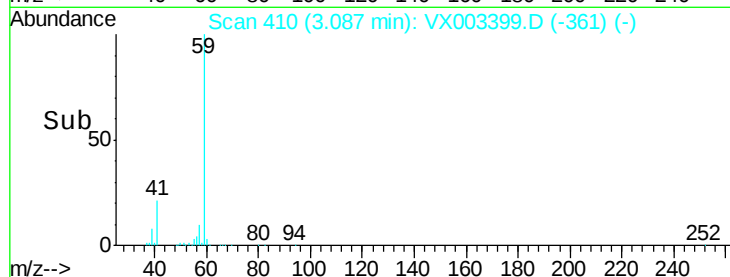
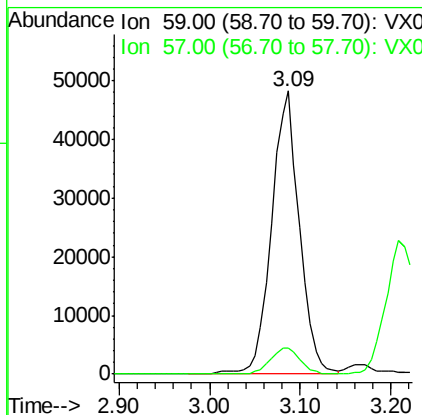
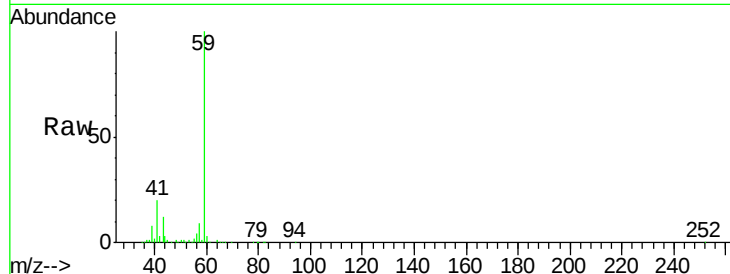
Tert butyl alcohol
Concen: 101.75 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
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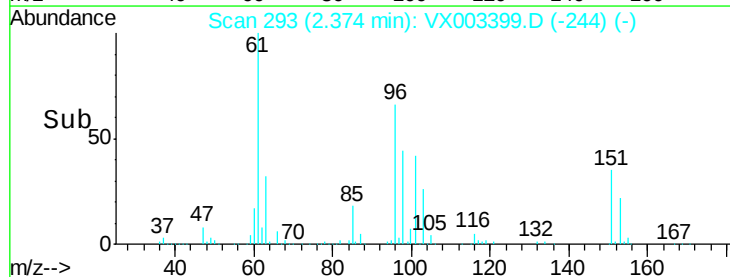
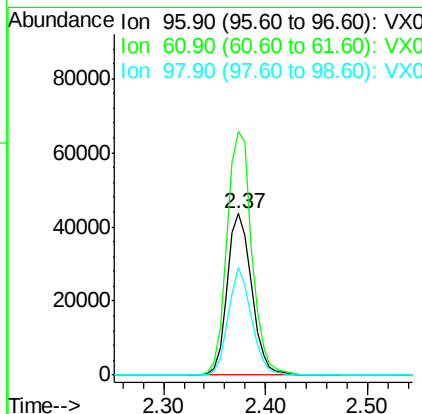
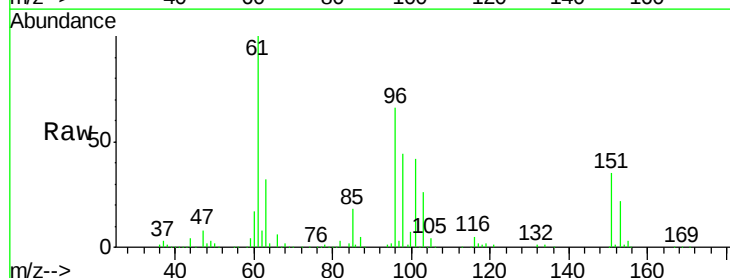
MMDadoda
7/17/2018 1:46:36 PM

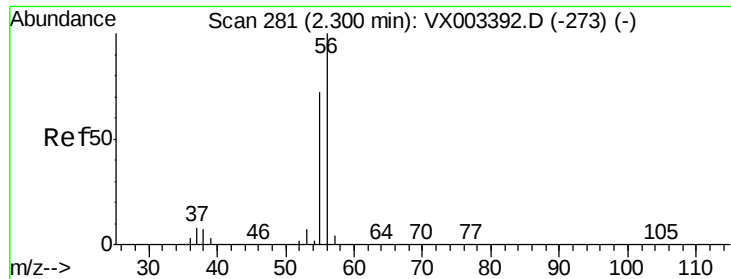


#12

1,1-Dichloroethene
Concen: 19.95 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	137.9	206.9
98	66.9	51.6	77.4





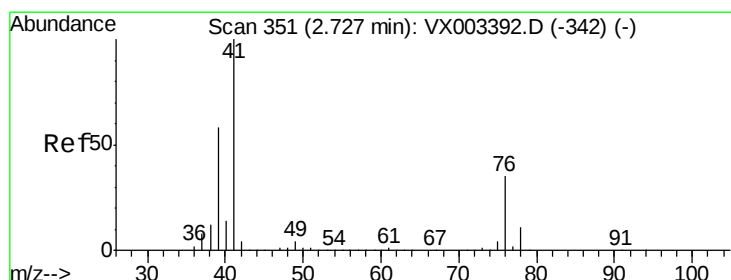
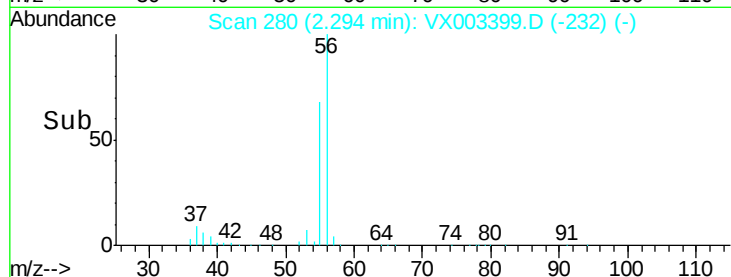
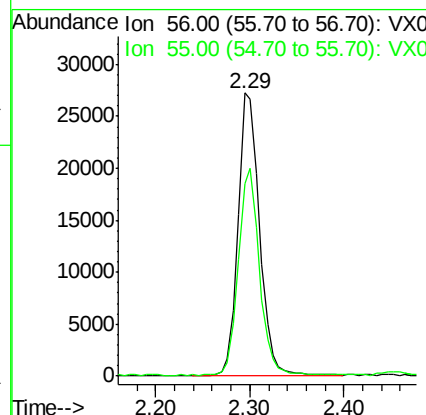
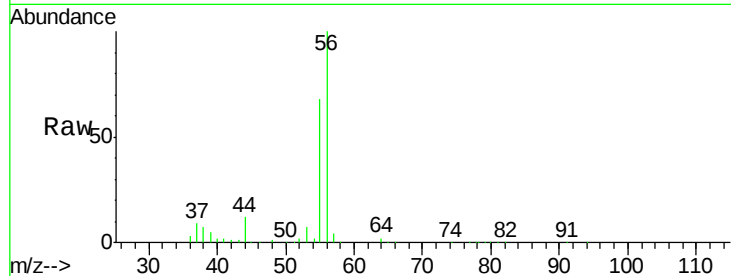
#13
Acrolein
Concen: 90.22 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	56	Resp	43543
Ion Ratio	100	Lower	Upper
55	73.3	57.0	85.4

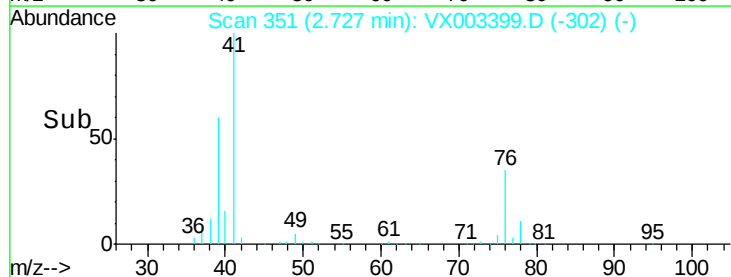
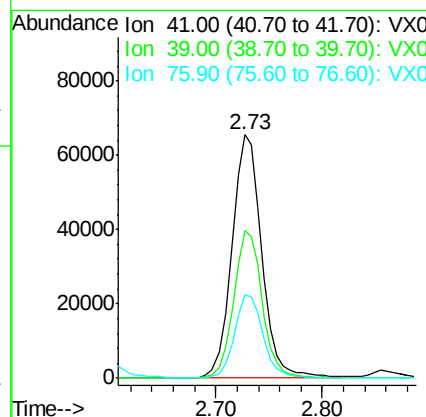
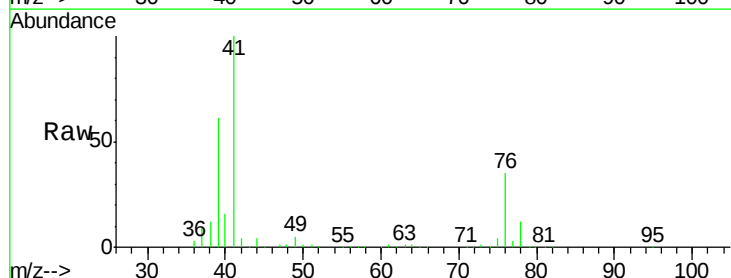
Manual Integrations
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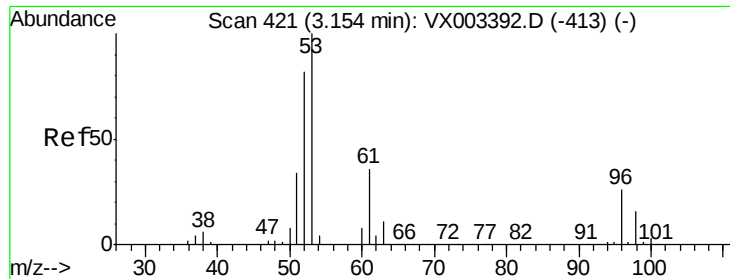
MMDadoda
7/17/2018 1:46:36 PM



#14
Allyl chloride
Concen: 19.51 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	41	Resp	127417
Ion Ratio	100	Lower	Upper
39	58.0	56.8	85.2
76	33.0	23.8	35.8





#15

Acrylonitrile

Concen: 99.47 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

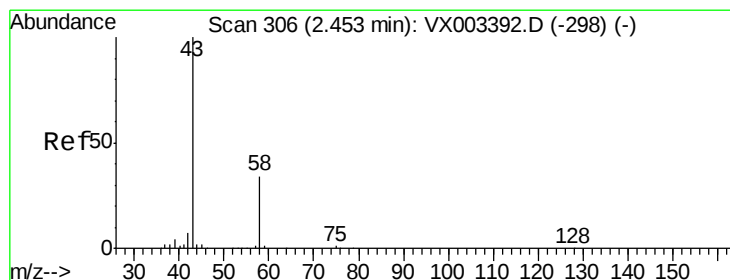
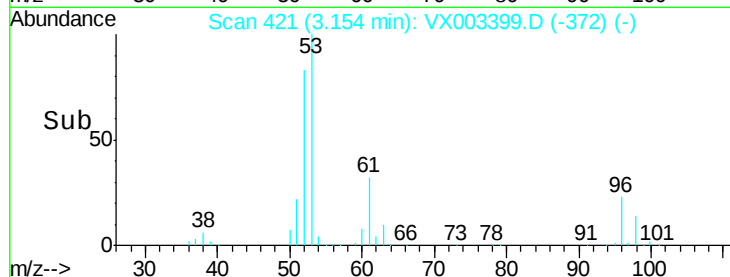
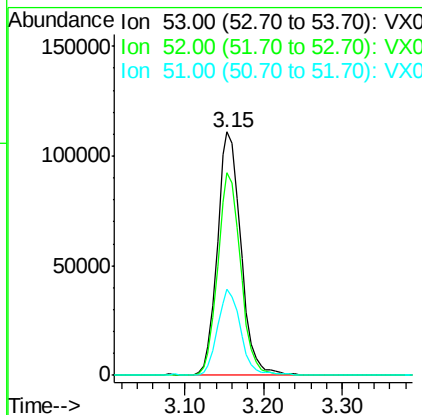
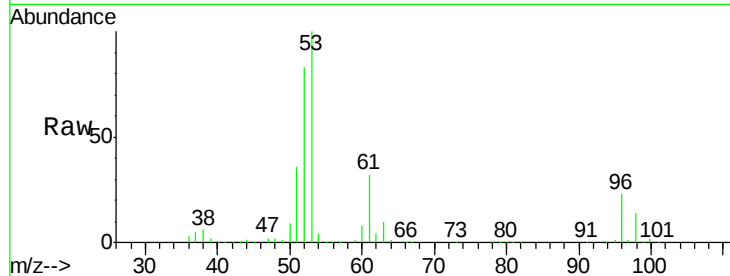
ClientSampleId :

VX0716WBS01

Tot Ion:	53	Resp:	229285
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.7	100.1
51	35.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 99.83 ug/l

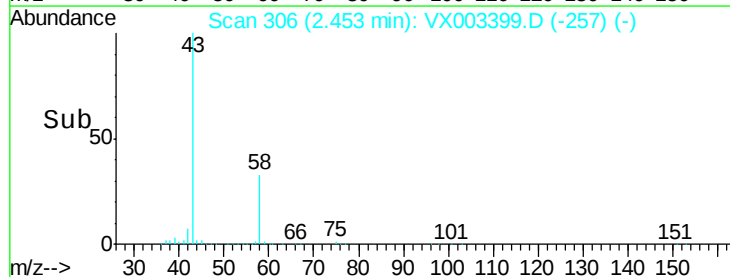
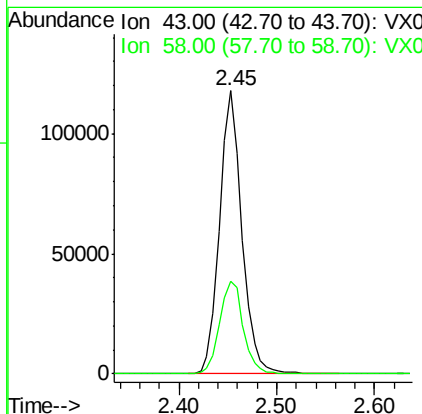
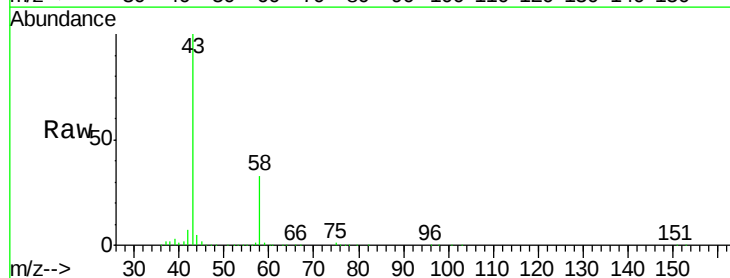
RT: 2.45 min Scan# 306

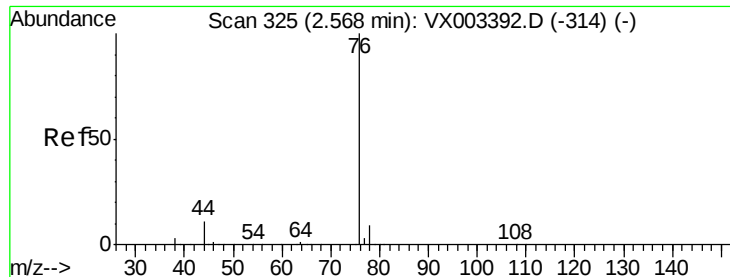
Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion:	43	Resp:	185770
Ion Ratio	Lower	Upper	
43	100		
58	32.6	22.1	33.1





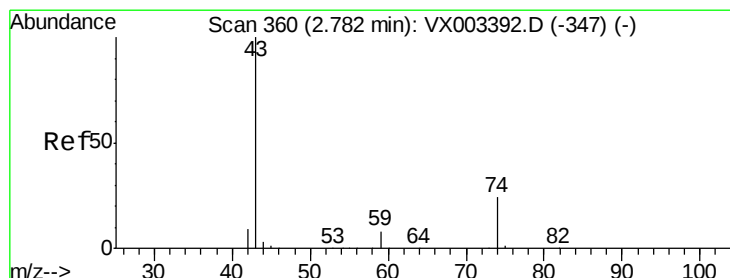
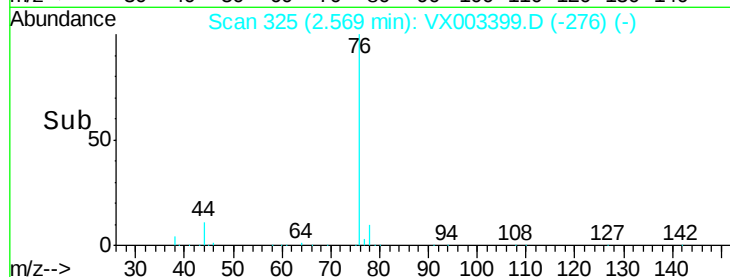
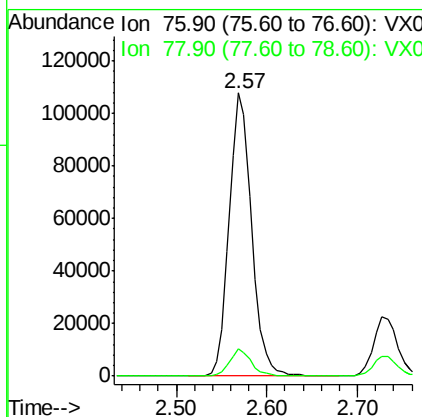
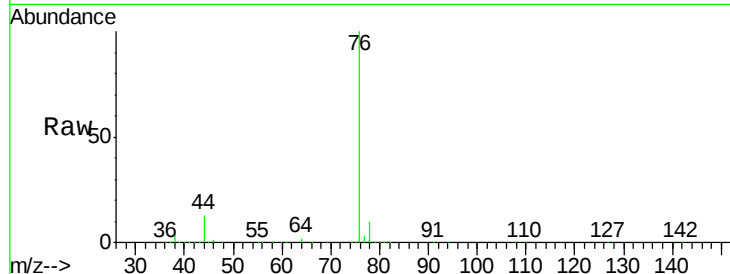
#17
Carbon Disulfide
Concen: 18.71 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.9	10.3

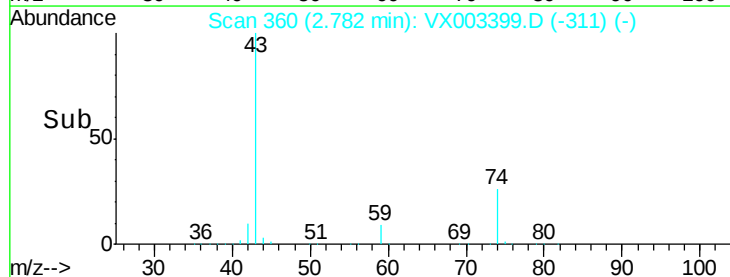
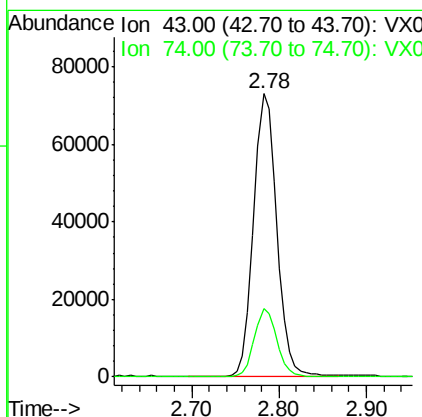
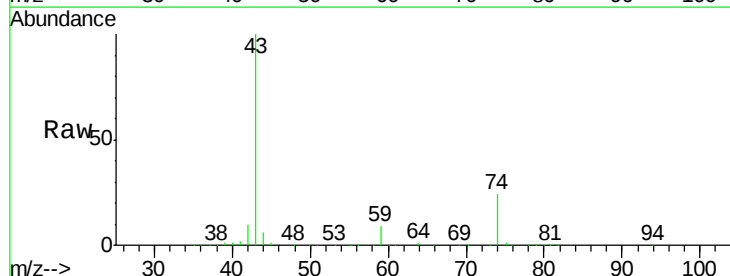
Manual Integrations
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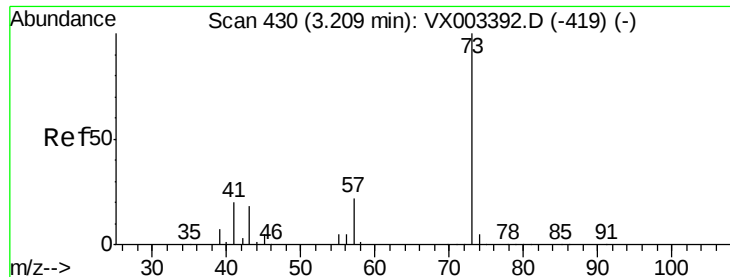
MMDadoda
7/17/2018 1:46:36 PM



#18
Methyl Acetate
Concen: 22.27 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	16.7	25.1





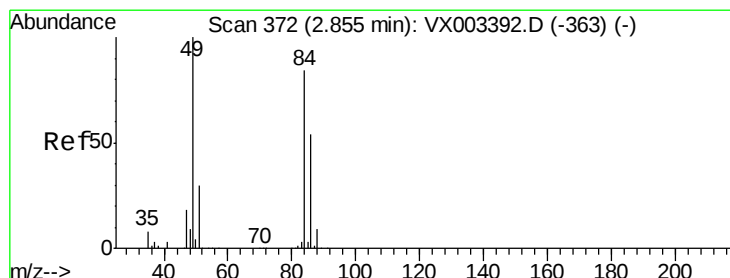
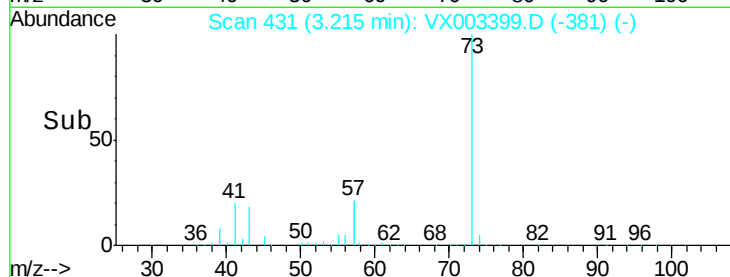
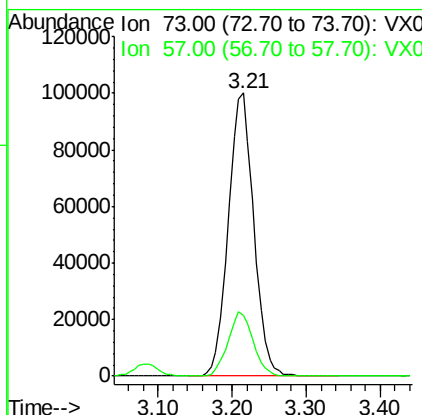
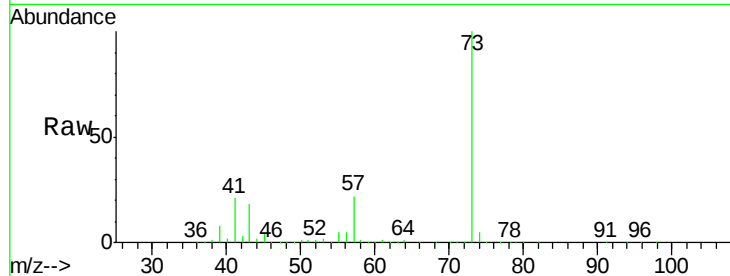
#19
Methvl tert-butvl Ether
Concen: 19.96 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion: 73 Resp: 238686
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5

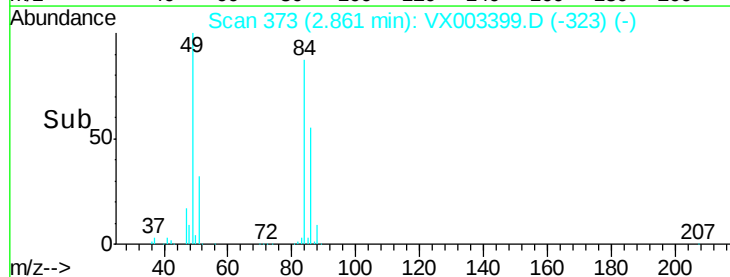
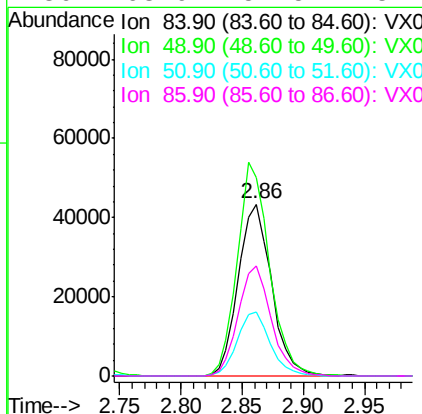
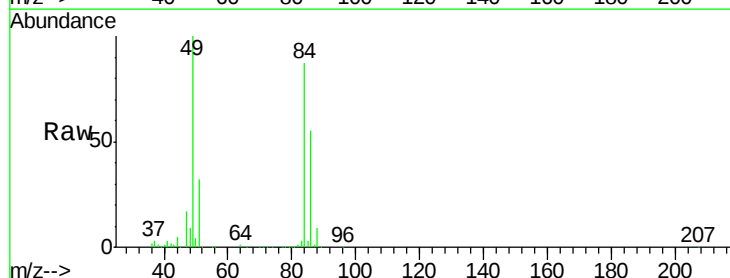
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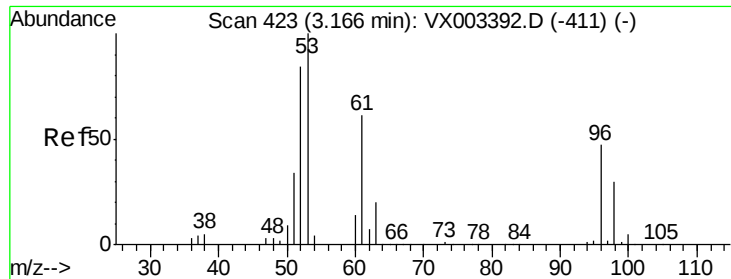
MMDadoda
7/17/2018 1:46:36 PM



#20
Methylene Chloride
Concen: 24.13 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion: 84 Resp: 82348
Ion Ratio Lower Upper
84 100
49 115.5 107.8 161.6
51 37.3 32.8 49.2
86 63.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.34 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 96 Resp: 75239

Ion Ratio Lower Upper

96 100

61 130.5 117.0 175.4

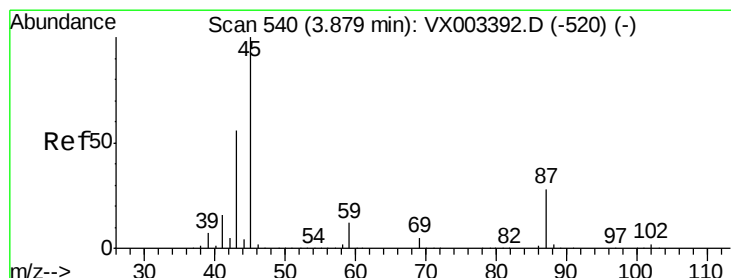
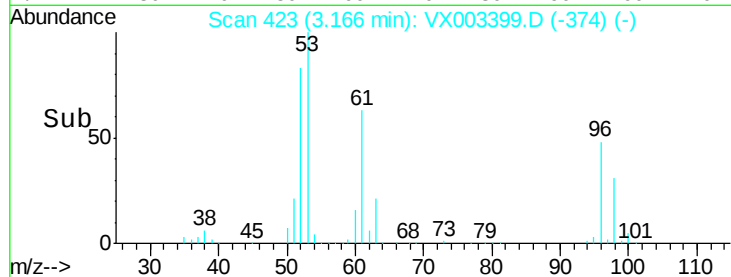
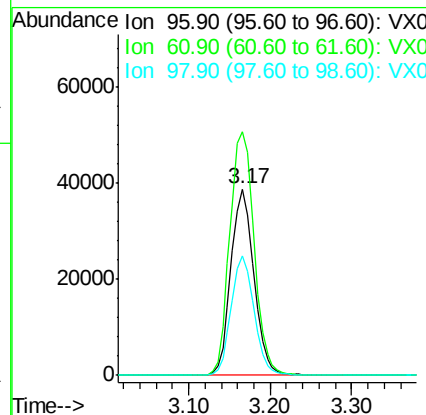
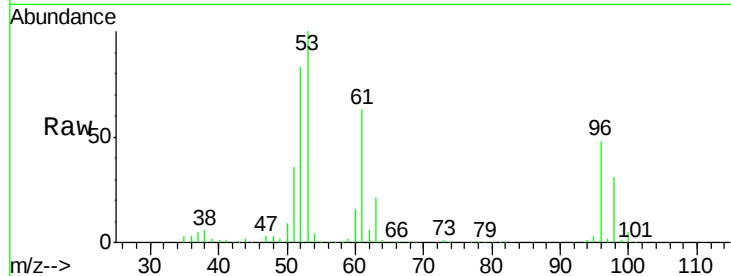
98 63.9 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.71 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion: 45 Resp: 249713

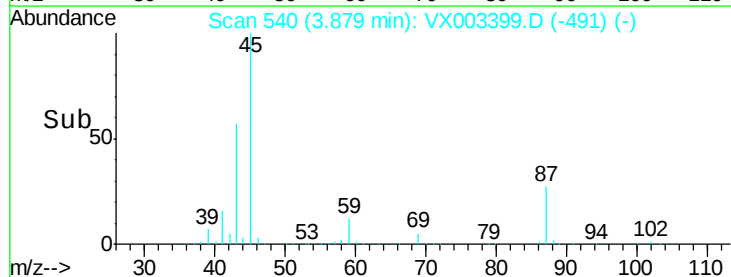
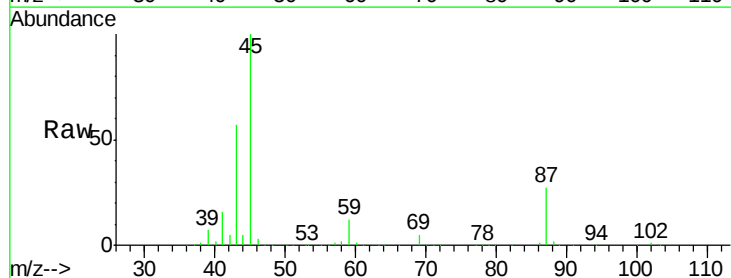
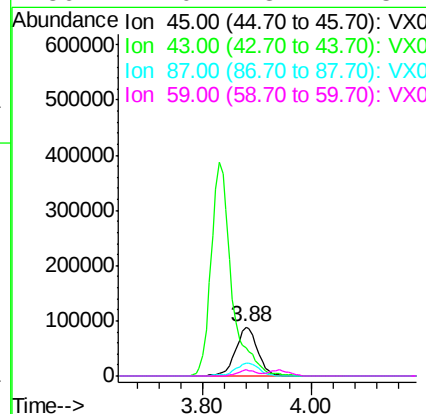
Ion Ratio Lower Upper

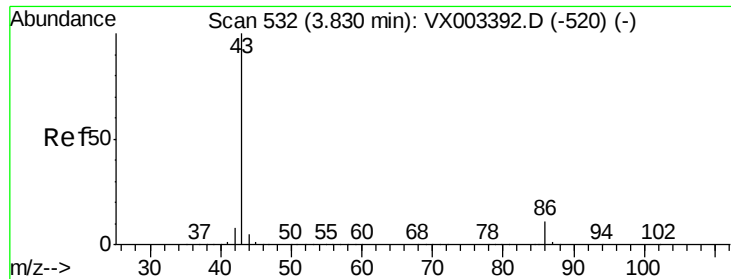
45 100

43 57.0 46.8 70.2

87 26.9 20.2 30.4

59 12.0 8.7 13.1





#23

Vinyl Acetate

Concen: 96.76 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampled :

VX0716WBS01

Tot Ion: 43 Resp: 1011112

Ion Ratio Lower Upper

43 100

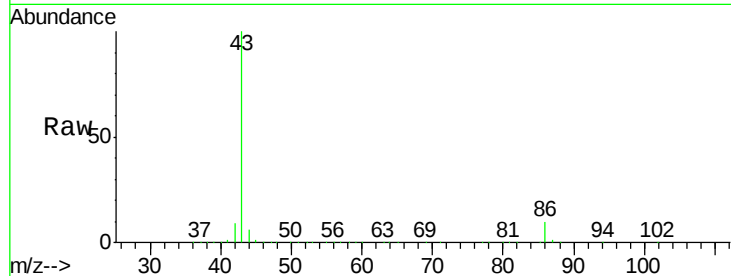
86 10.1 7.4 11.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

400000

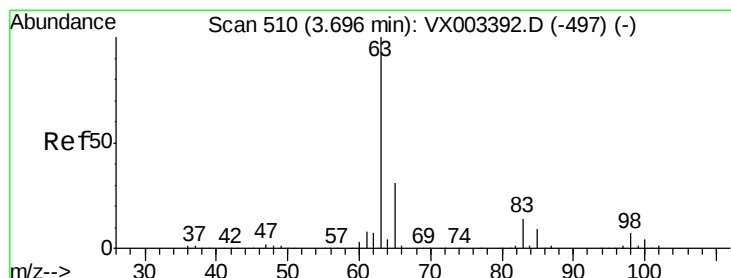
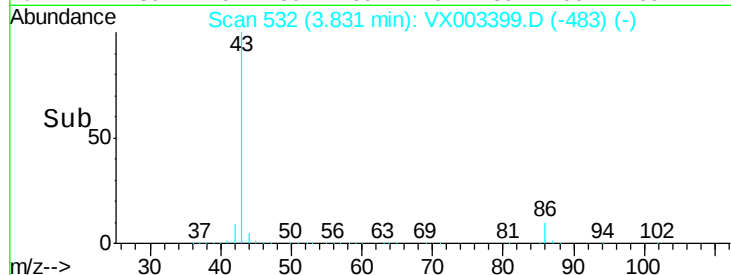
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.85 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

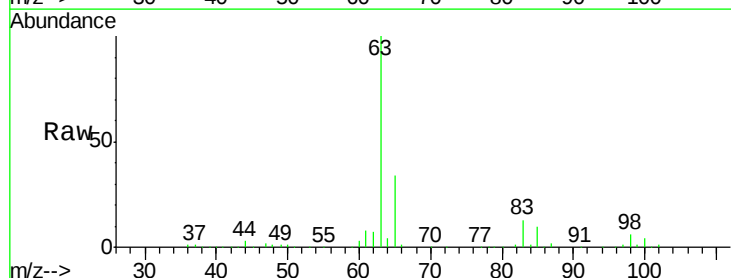
Tgt Ion: 63 Resp: 142683

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

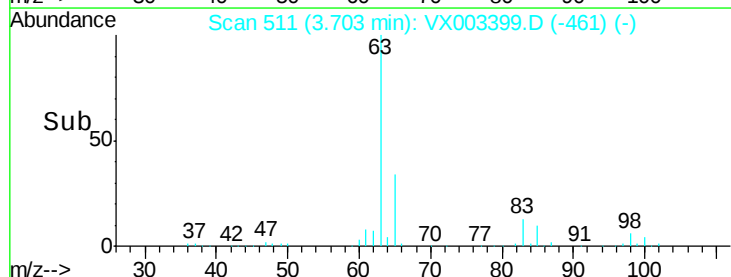
60000

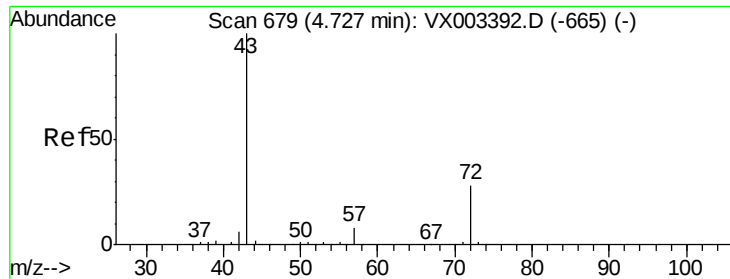
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.02 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 43 Resp: 297116

Ion Ratio Lower Upper

43 100

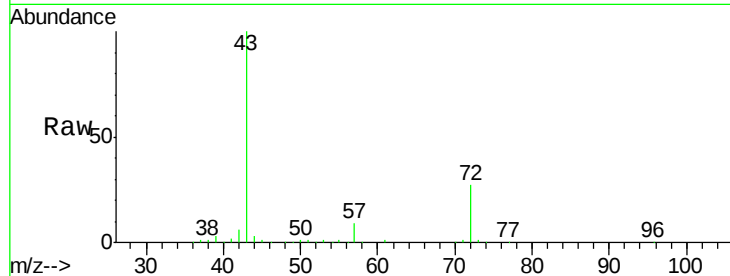
72 27.5 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

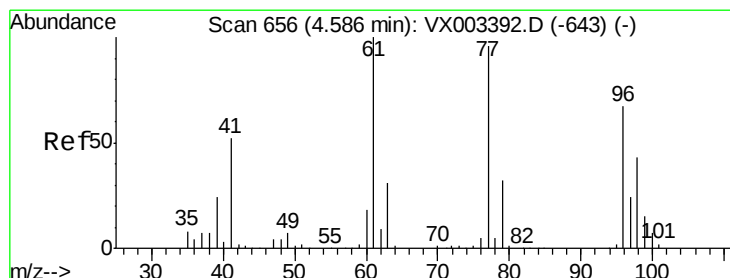
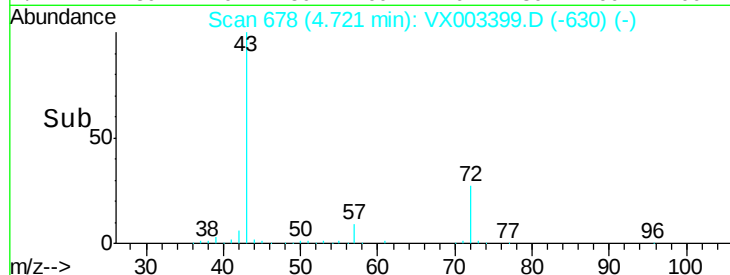
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.19 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003399.D

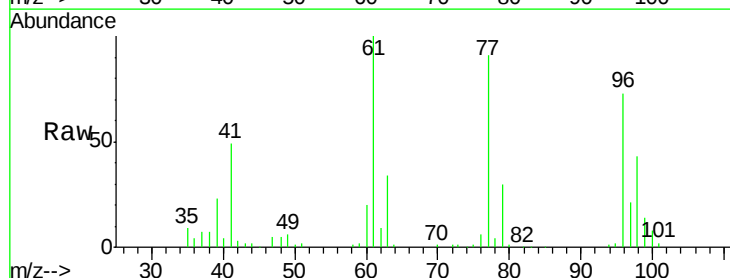
Acq: 16 Jul 2018 19:38

Tgt Ion: 77 Resp: 81705

Ion Ratio Lower Upper

77 100

97 25.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

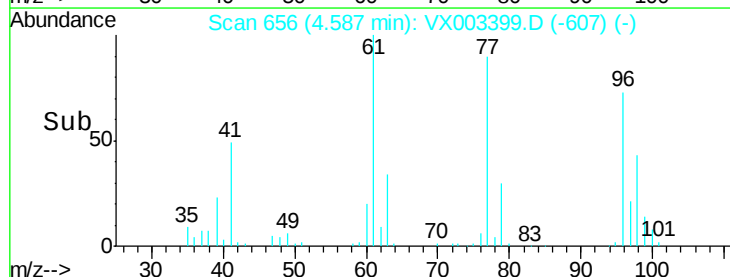
10000

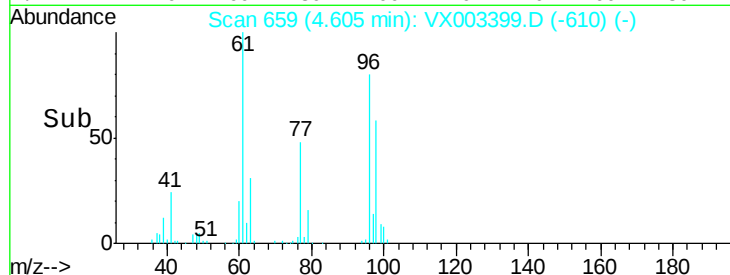
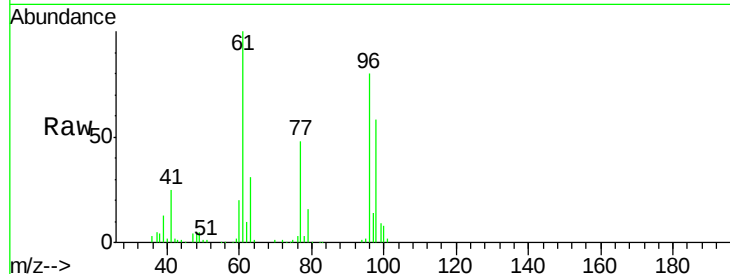
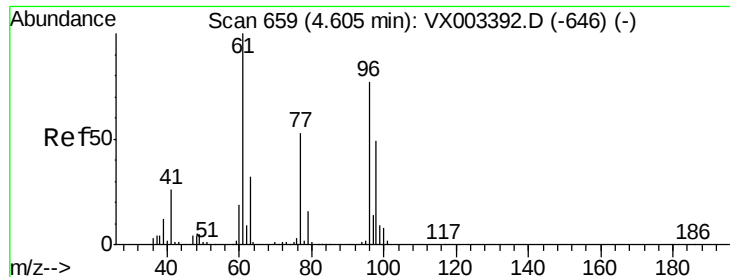
5000

0

4.40 4.50 4.60 4.70

Time-->





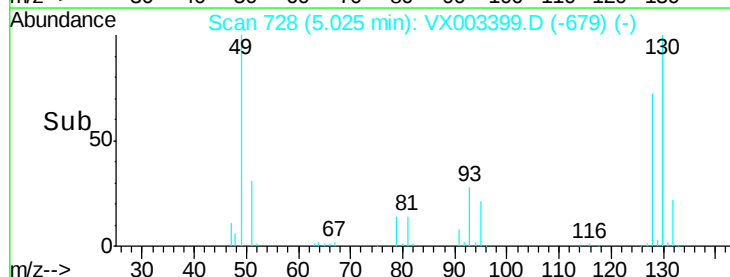
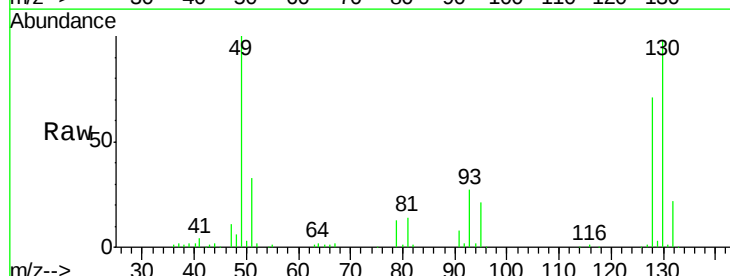
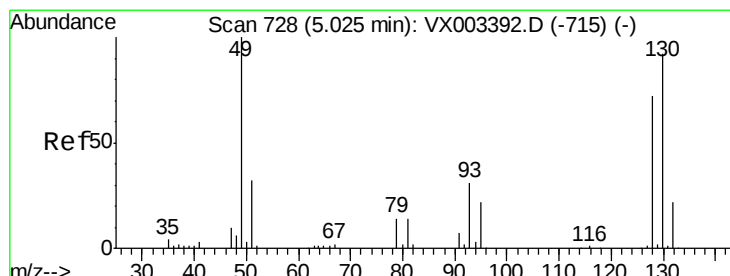
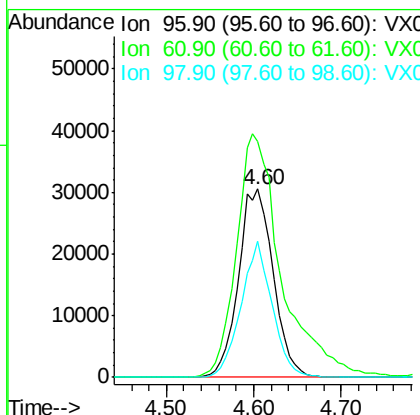
#27
 cis-1,2-Dichloroethene
 Concen: 20.19 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.4	0.0	330.2
98	64.6	0.0	130.2

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

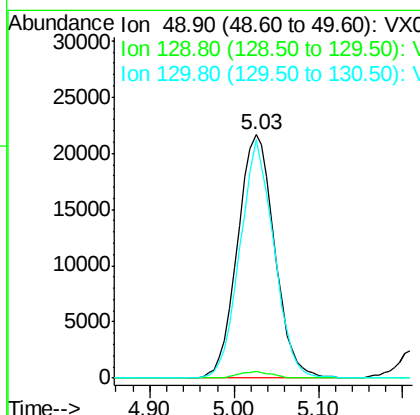
Manual Integrations
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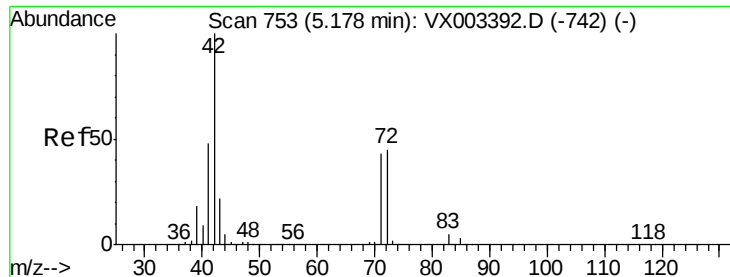
MMDadoda
 7/17/2018 1:46:36 PM



#28
 Bromochloromethane
 Concen: 20.69 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	89.4	61.2	91.8





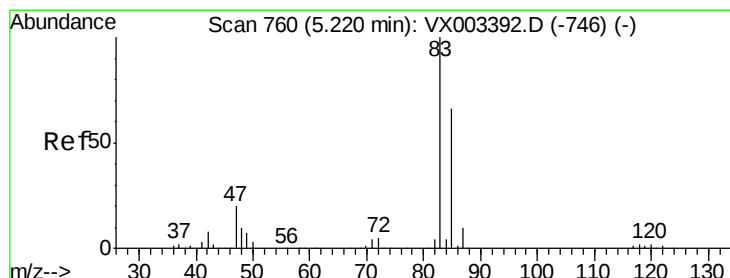
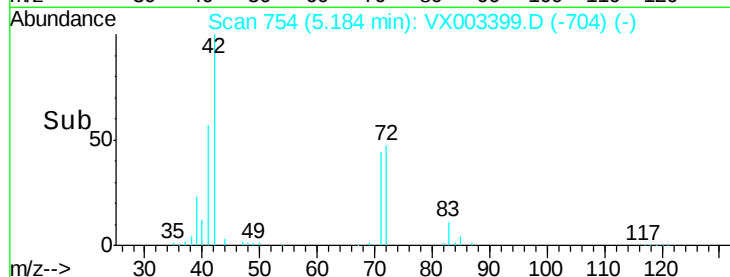
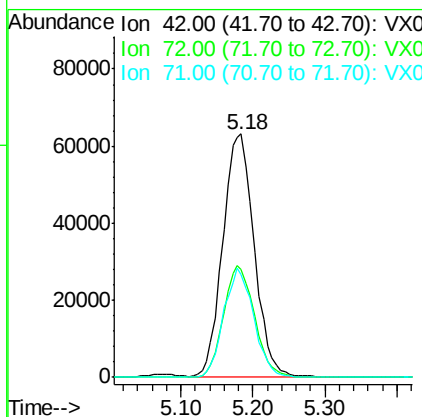
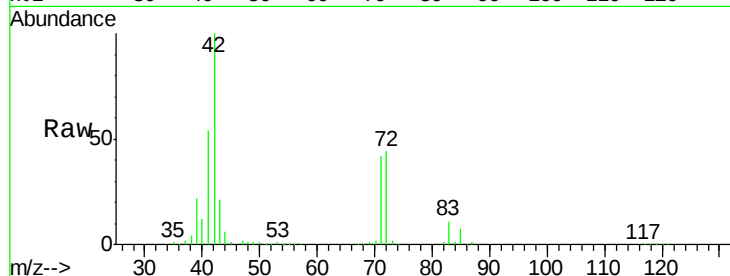
#29
Tetrahydrofuran
Concen: 103.17 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	32.0	48.0
71	43.0	30.1	45.1

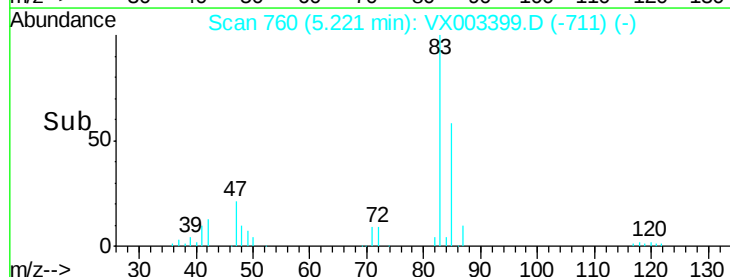
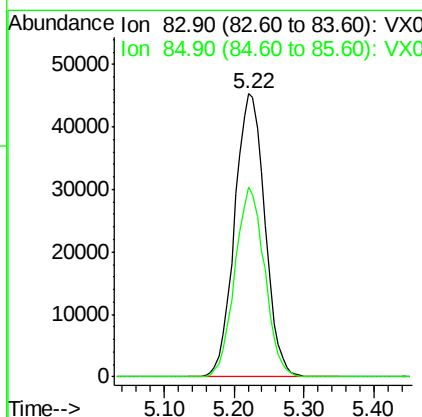
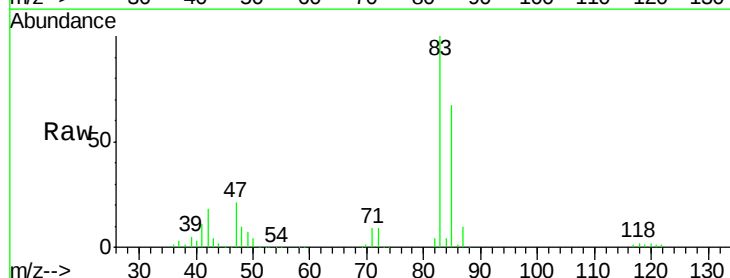
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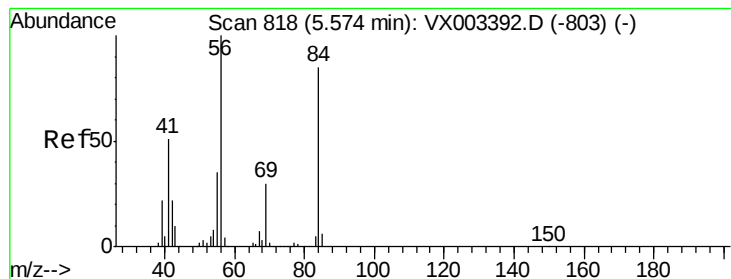
MMDadoda
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#30
Chloroform
Concen: 20.50 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.4	75.6





#31

Cyclohexane

Concen: 20.84 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 56 Resp: 115672

Ion Ratio Lower Upper

56 100

69 28.7 23.7 35.5

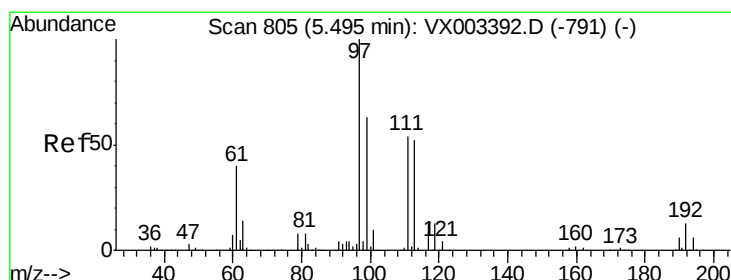
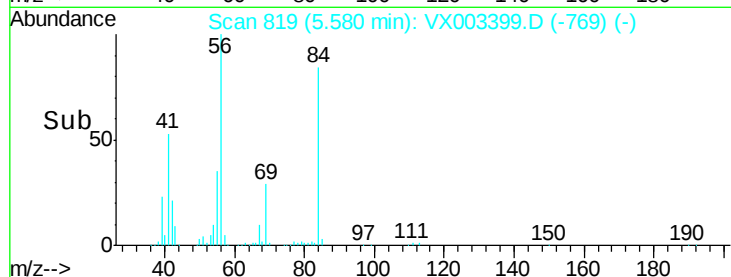
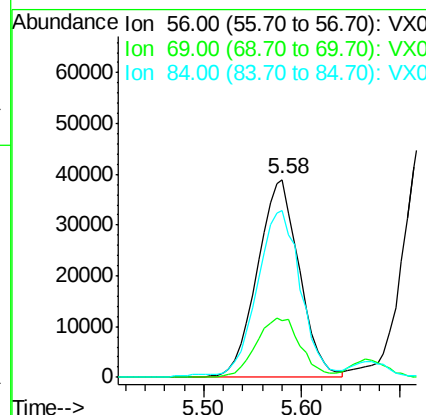
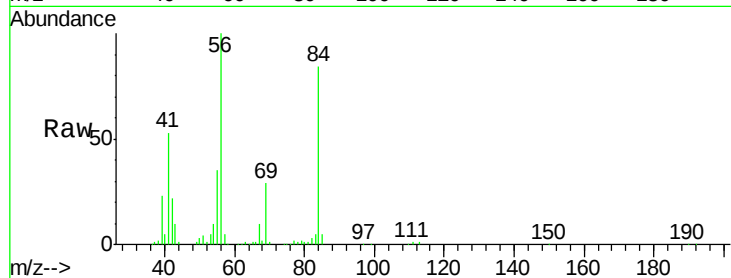
84 82.9 64.1 96.1

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.88 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

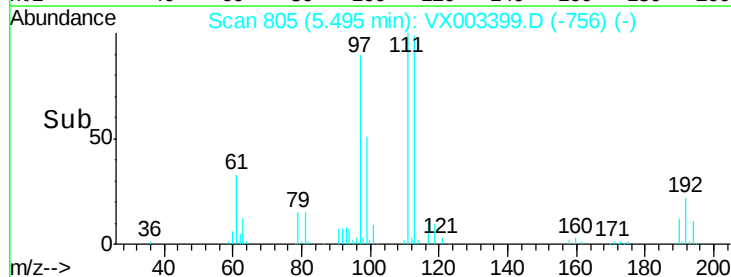
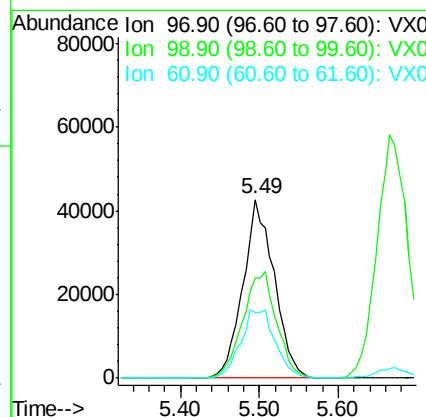
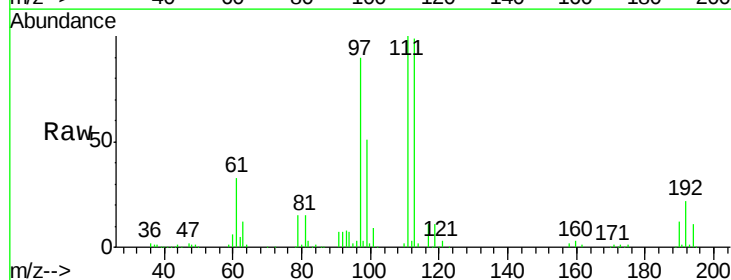
Tgt Ion: 97 Resp: 117636

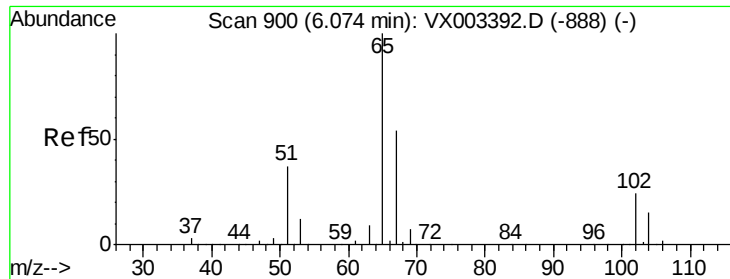
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 42.5 36.4 54.6





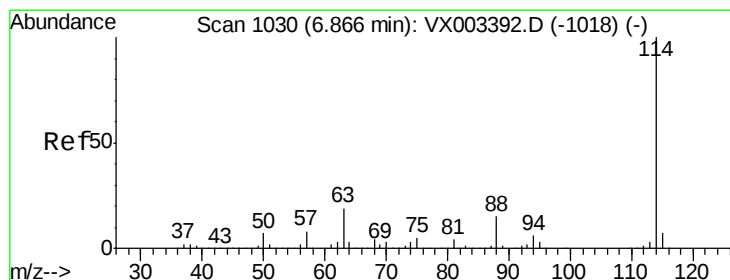
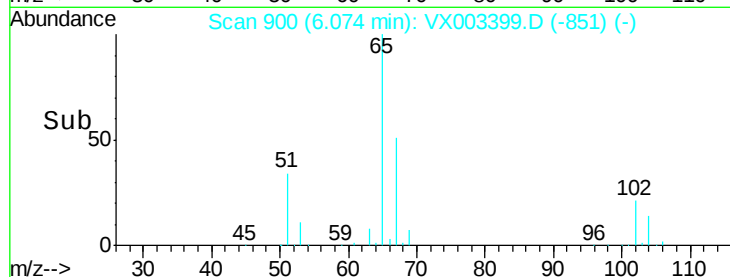
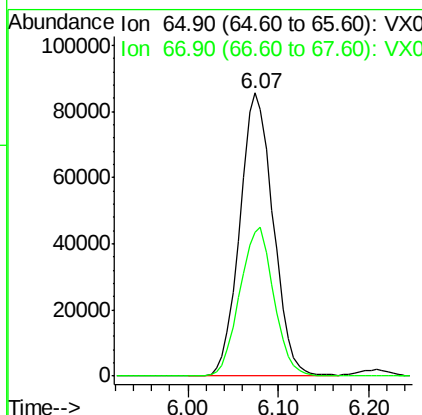
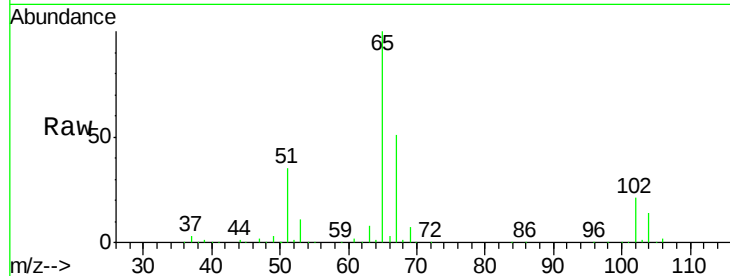
#33
 1,2-Dichloroethane-d4
 Concen: 48.78 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218230		
67	53.6	0.0	102.6	

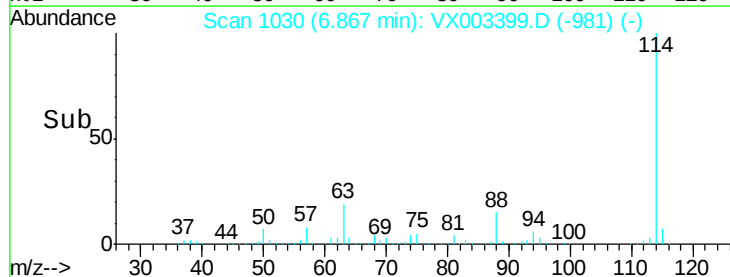
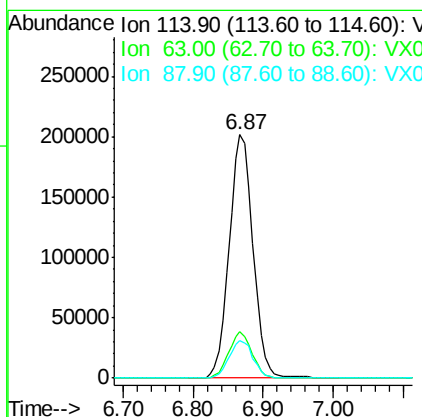
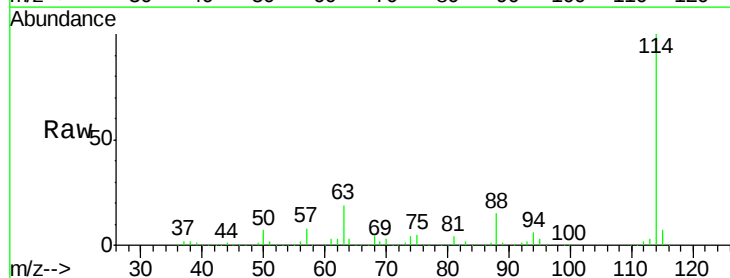
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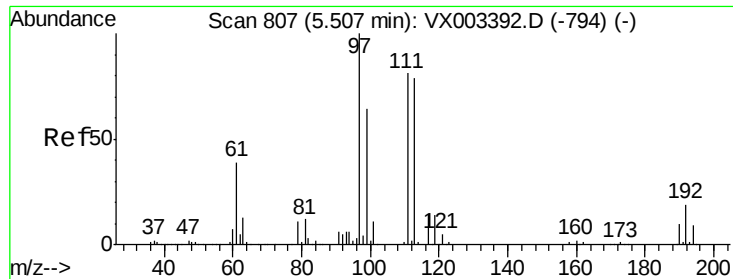
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	476785		
63	19.0	0.0	41.4	
88	15.4	0.0	30.0	





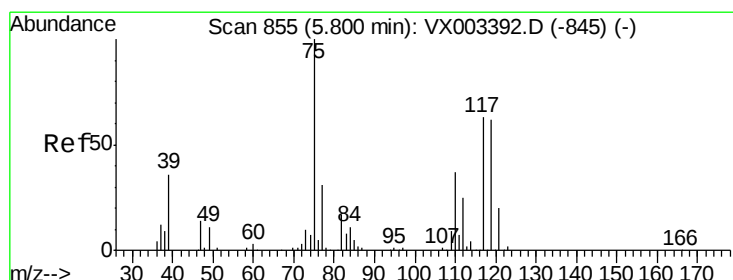
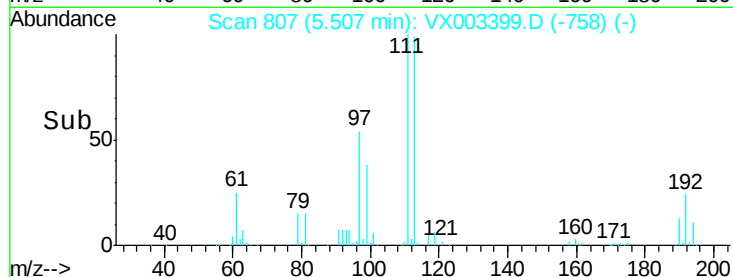
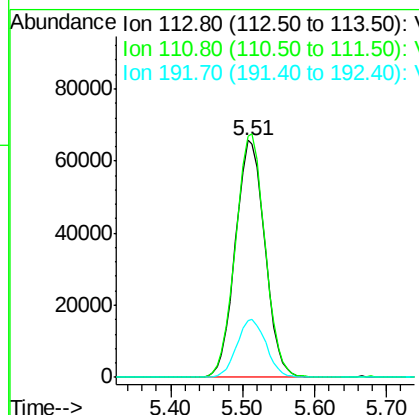
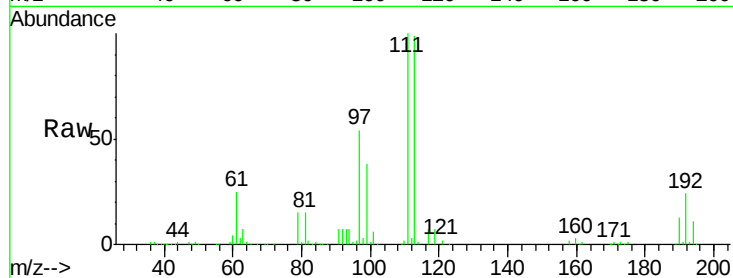
#35
Dibromofluoromethane
Concen: 48.69 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187819		
111	102.2	81.4	122.0	
192	24.2	19.1	28.7	

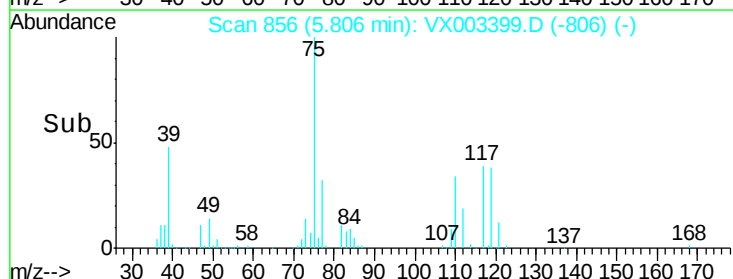
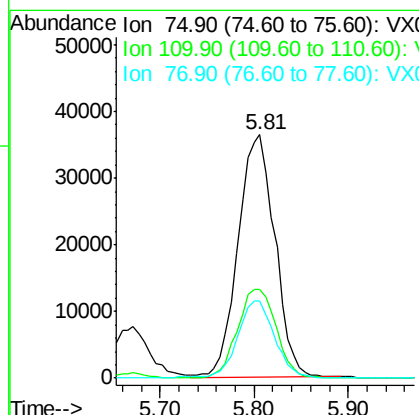
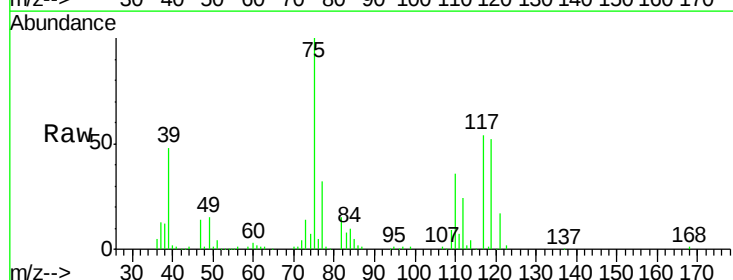
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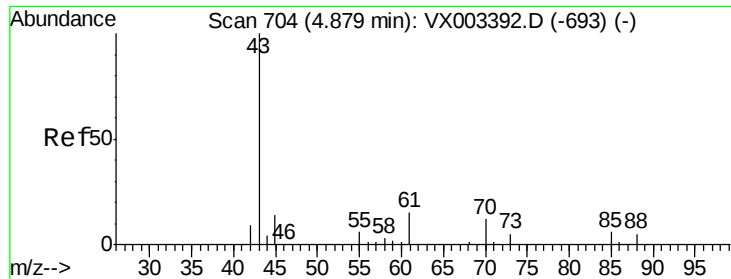
MMDadoda
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#36
1,1-Dichloropropene
Concen: 20.43 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98616		
110	38.8	18.1	54.4	
77	31.2	24.3	36.5	





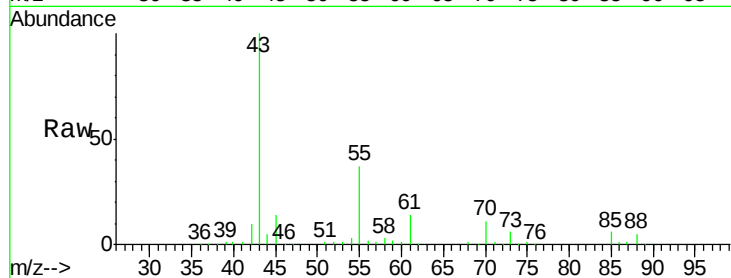
#37
Ethyl Acetate
Concen: 20.05 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

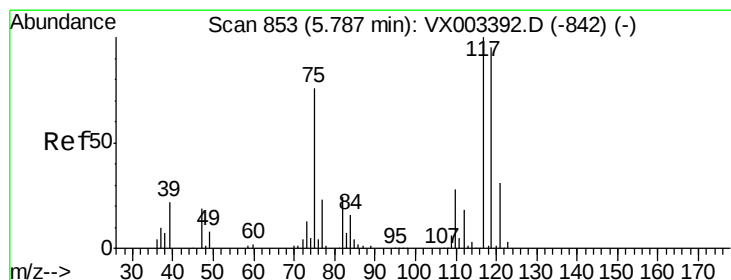
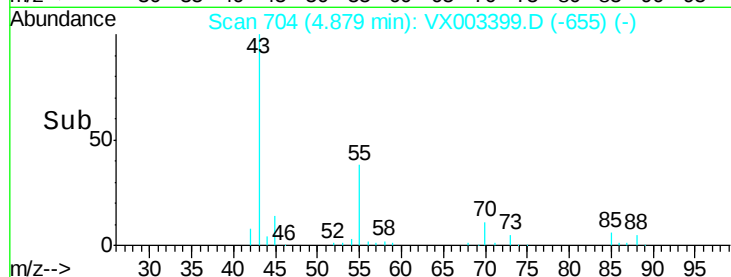
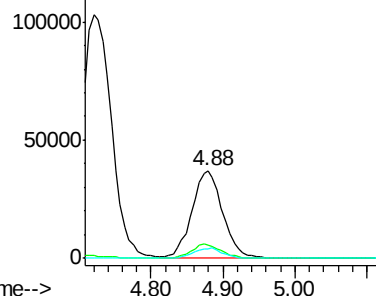
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.4	15.6
70	11.2	7.6	11.4

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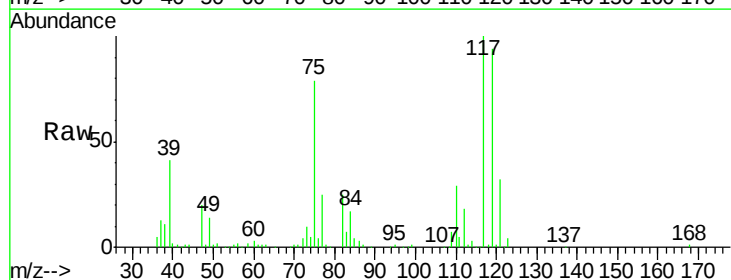


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

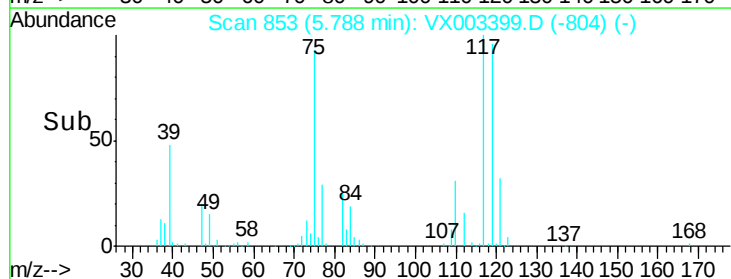
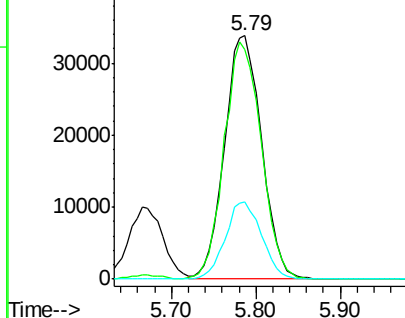


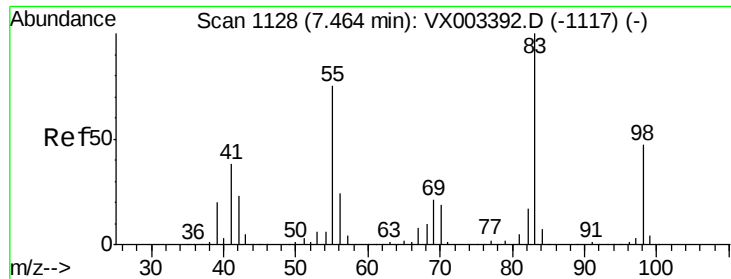
#38
Carbon Tetrachloride
Concen: 20.60 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.4	116.0
121	31.8	24.4	36.6



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





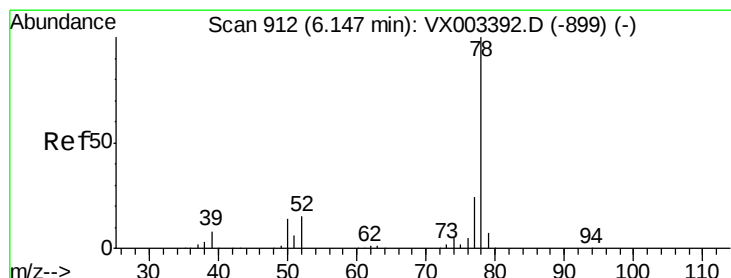
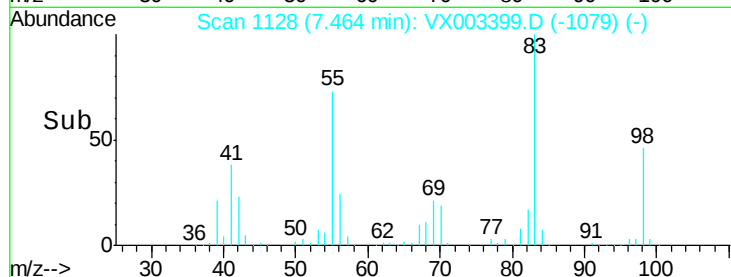
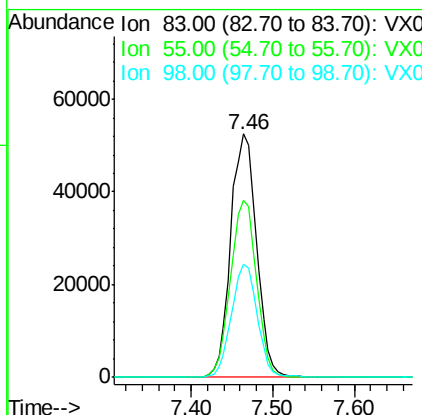
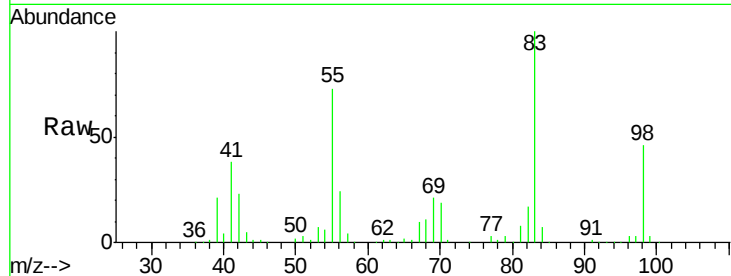
#39
Methvlcvclohexane
Concen: 20.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.7	65.4	98.0	
98	46.4	37.4	56.0	

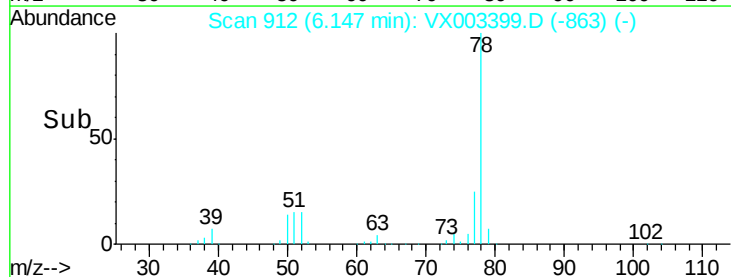
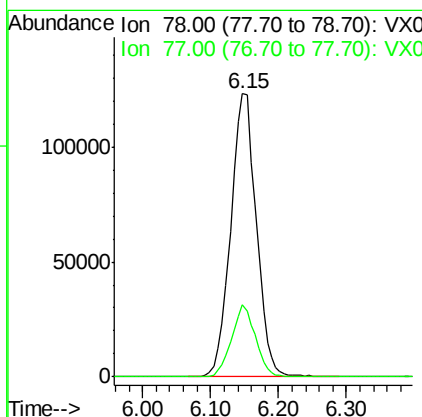
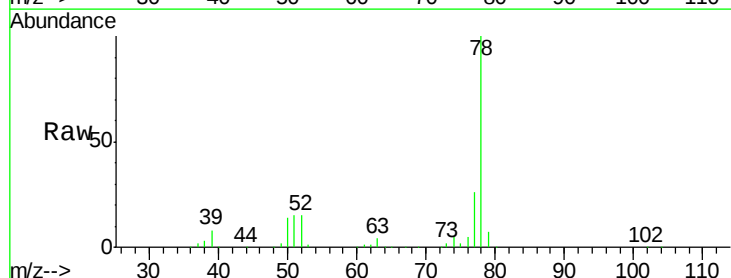
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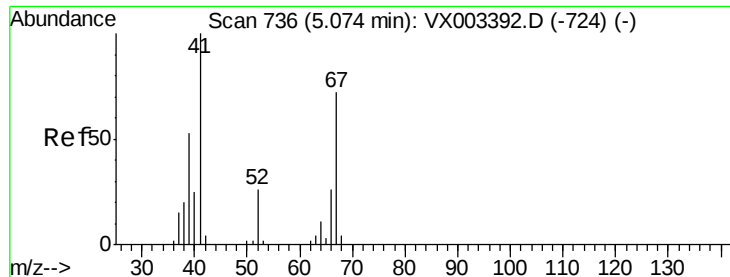
MMDadoda
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#40
Benzene
Concen: 21.91 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.5	19.1	28.7	





#41

Methacrylonitrile

Concen: 20.58 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

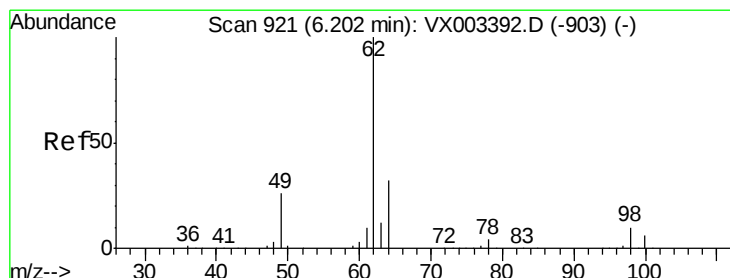
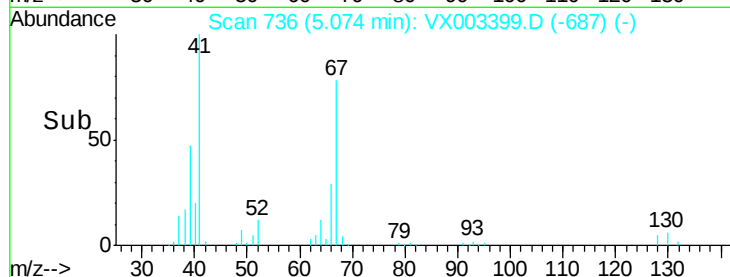
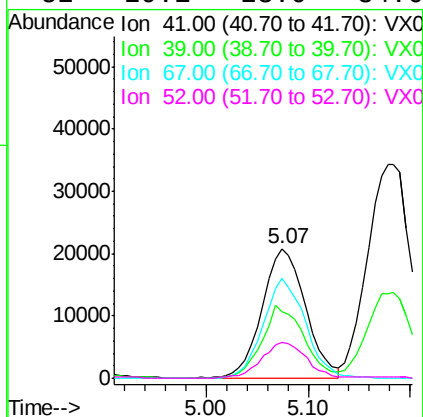
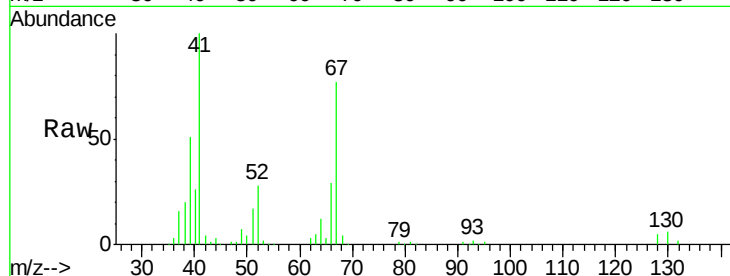
ClientSampled :

VX0716WBS01

Tot Ion:	41	Resp:	61574
Ion	Ratio	Lower	Upper
41	100		
39	53.3	45.8	68.6
67	74.8	51.3	76.9
52	29.1	23.0	34.6

Manual Integrations
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7/17/2018 1:46:36 PM



#42

1,2-Dichloroethane

Concen: 20.91 ug/l

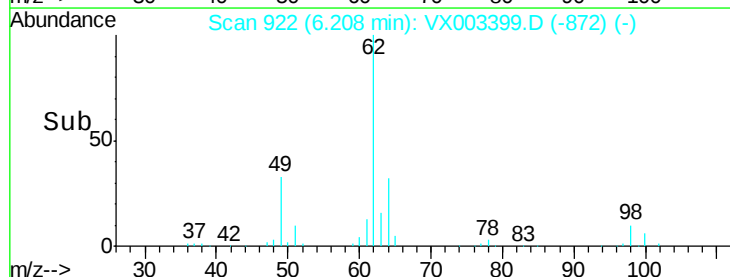
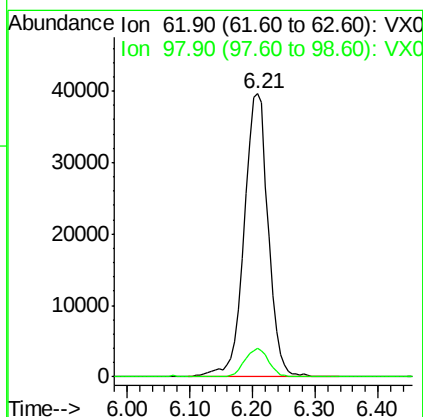
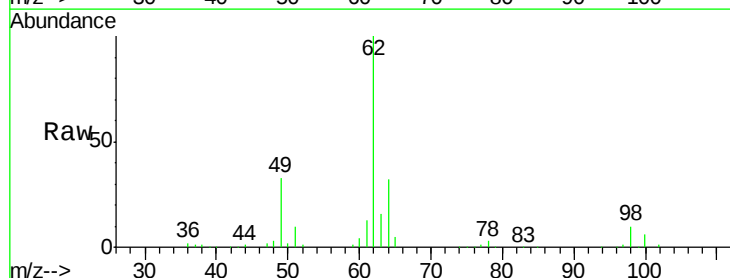
RT: 6.21 min Scan# 922

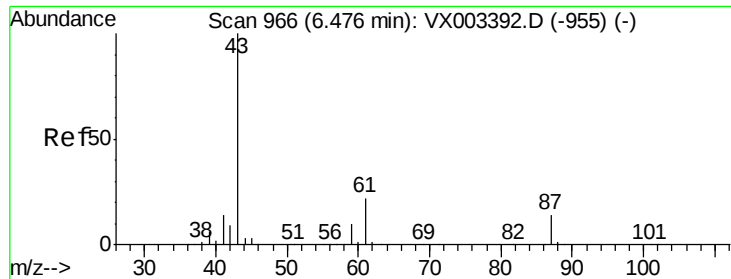
Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion:	62	Resp:	105349
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.6





#43

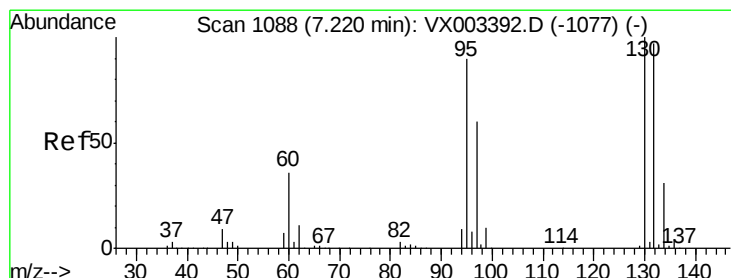
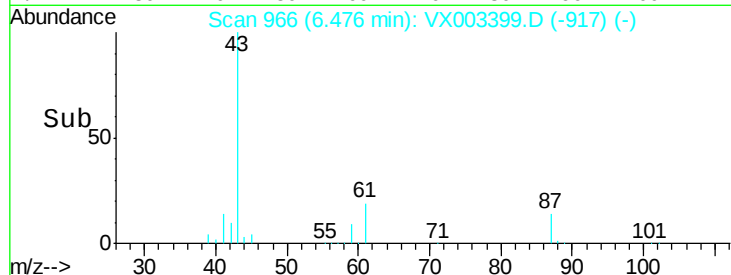
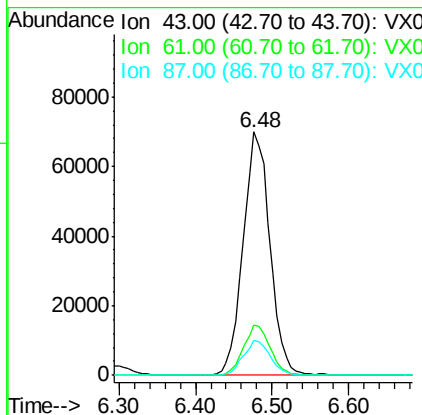
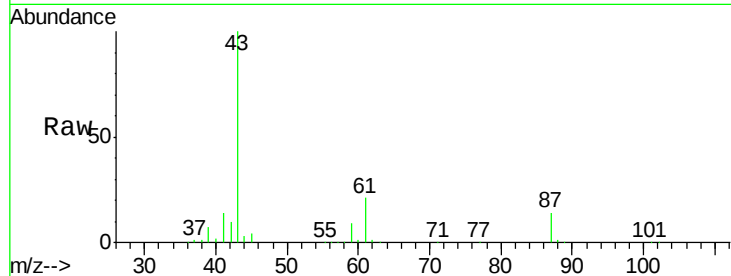
Isopropyl Acetate
 Concen: 20.72 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	14.4	21.6
87	14.4	9.5	14.3

Manual Integrations
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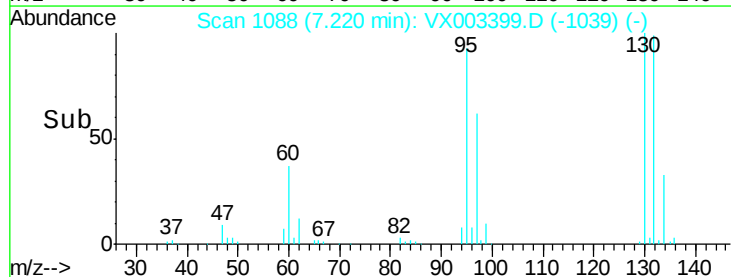
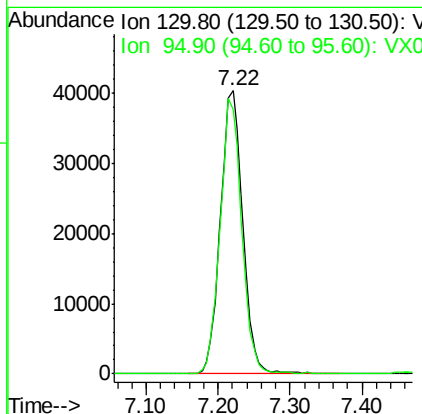
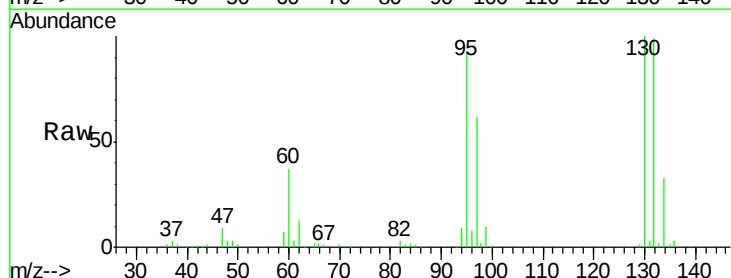
MMDadoda
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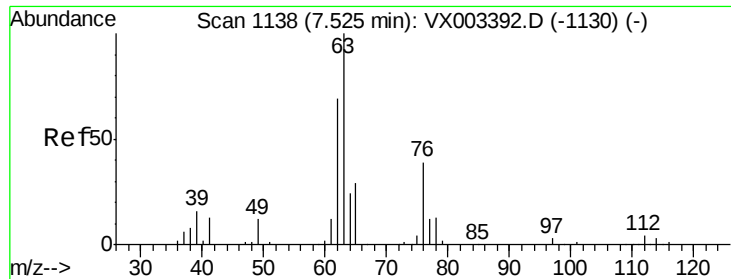


#44

Trichloroethene
 Concen: 20.52 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.4





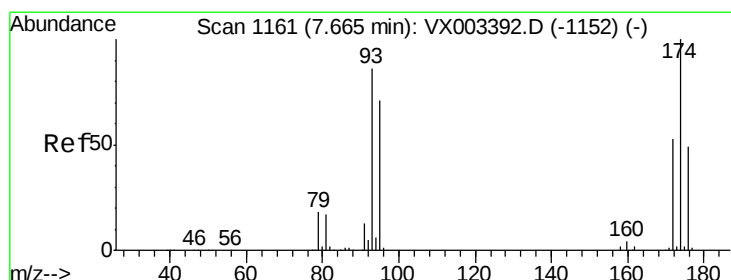
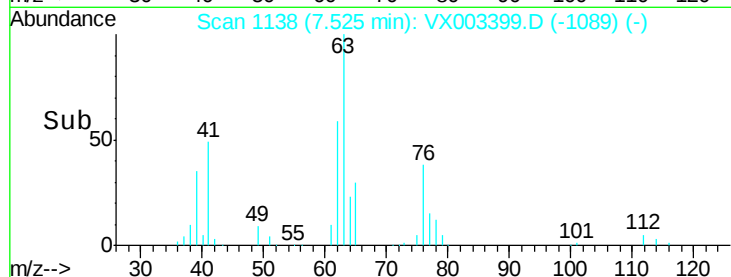
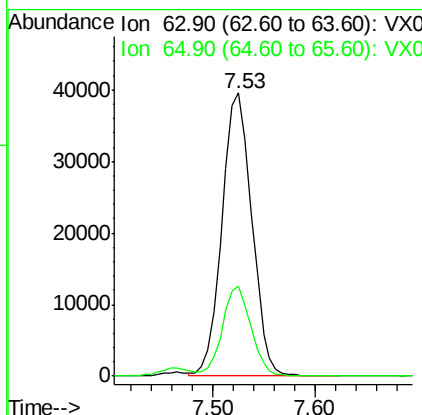
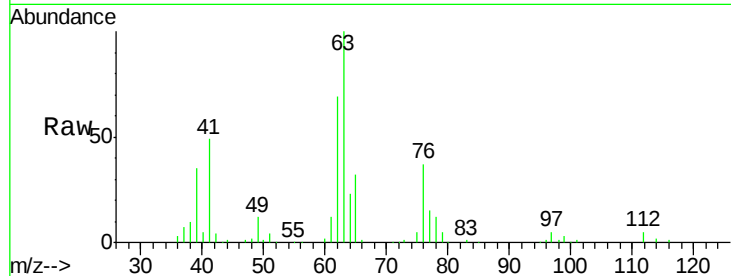
#45
1,2-Dichloropropane
Concen: 21.07 ug/l
RT: 7.53 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion: 63 Resp: 80508
Ion Ratio Lower Upper
63 100
65 31.5 24.7 37.1

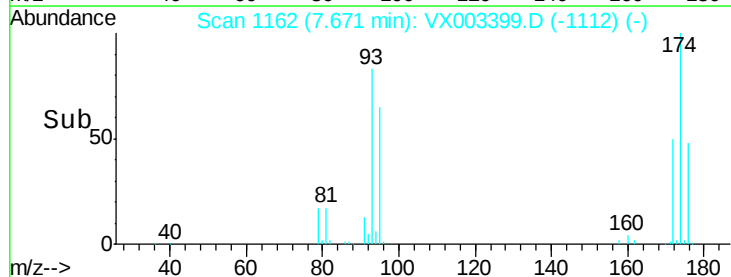
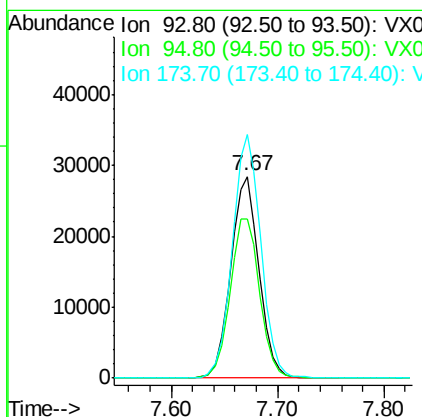
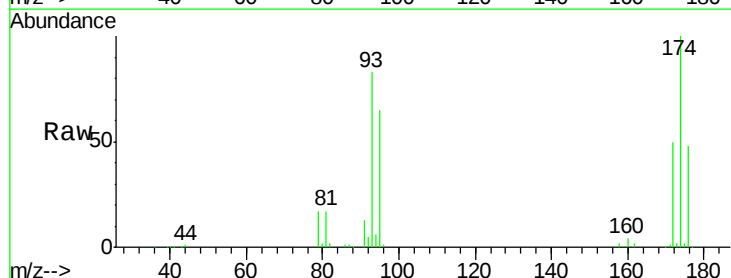
Manual Integrations
APPROVED

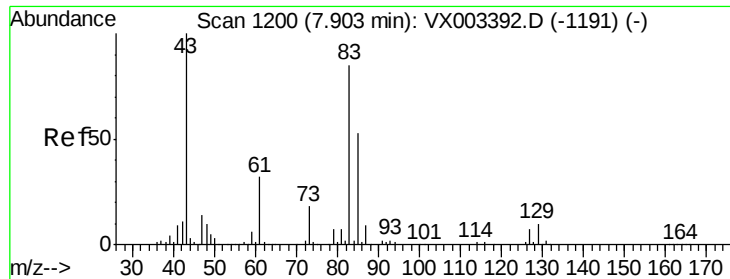
MMDadoda
7/17/2018 1:46:36 PM



#46
Dibromomethane
Concen: 20.80 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion: 93 Resp: 52933
Ion Ratio Lower Upper
93 100
95 82.7 65.9 98.9
174 121.8 92.4 138.6





#47

Bromodichloromethane

Concen: 21.51 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

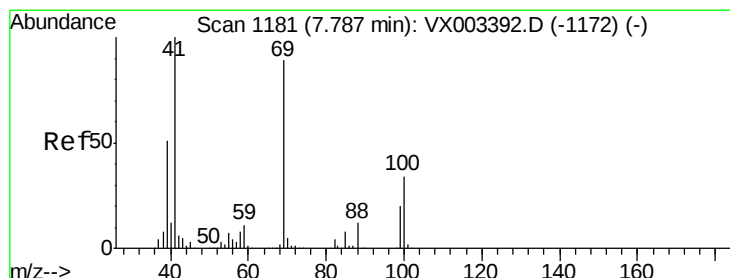
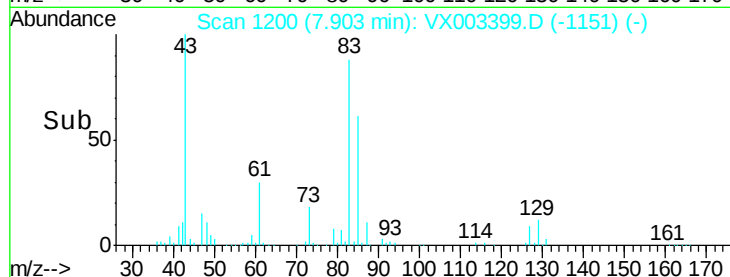
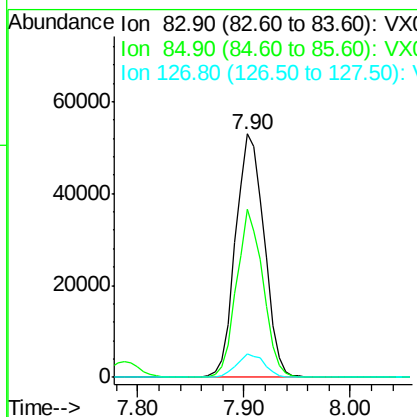
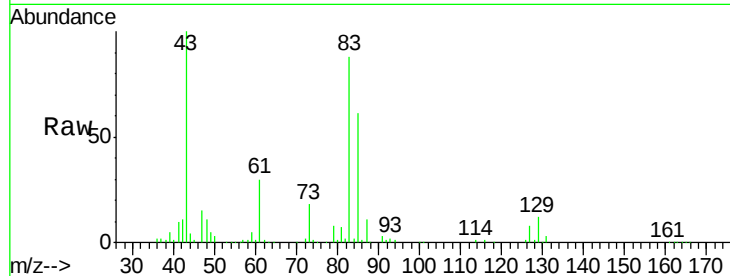
ClientSampleId :

VX0716WBS01

Tot Ion:	83	Resp:	100243
Ion Ratio	Lower	Upper	
83	100		
85	69.1	50.3	75.5
127	9.7	7.0	10.4

Manual Integrations
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7/17/2018 1:46:36 PM



#48

Methyl methacrylate

Concen: 20.77 ug/l

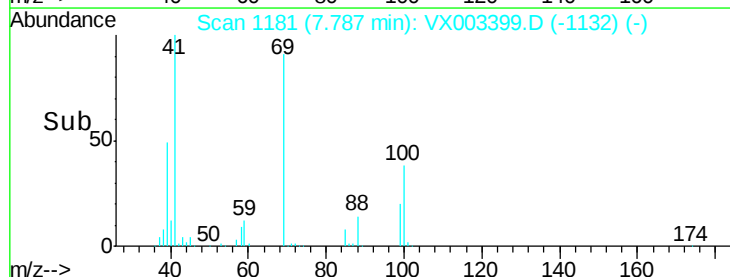
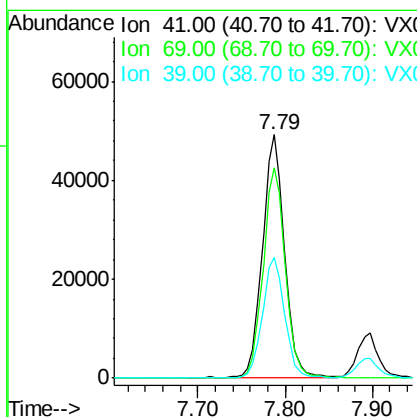
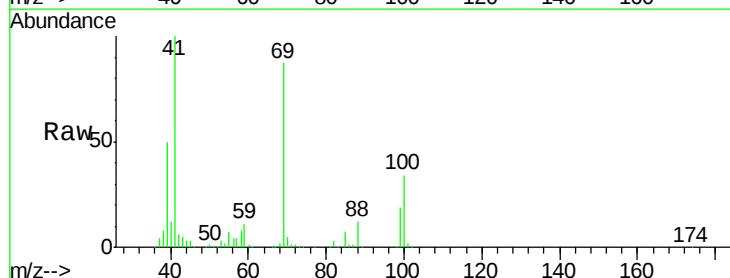
RT: 7.79 min Scan# 1181

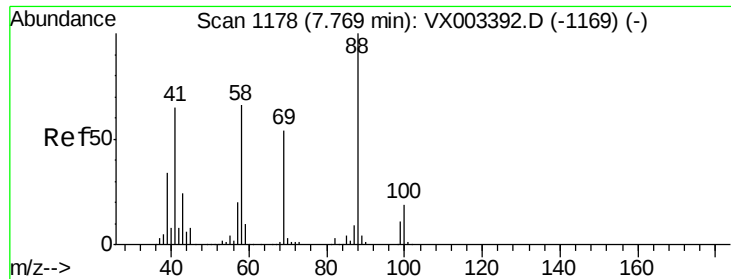
Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion:	41	Resp:	86995
Ion Ratio	Lower	Upper	
41	100		
69	86.9	59.1	88.7
39	49.8	48.9	73.3





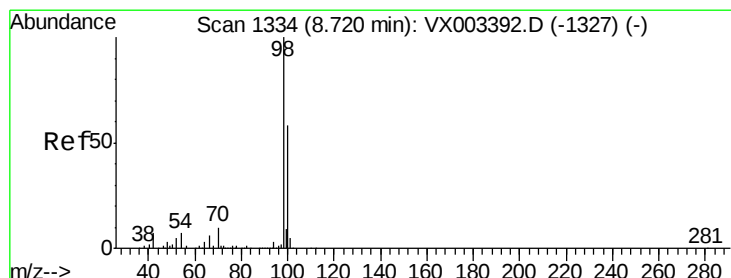
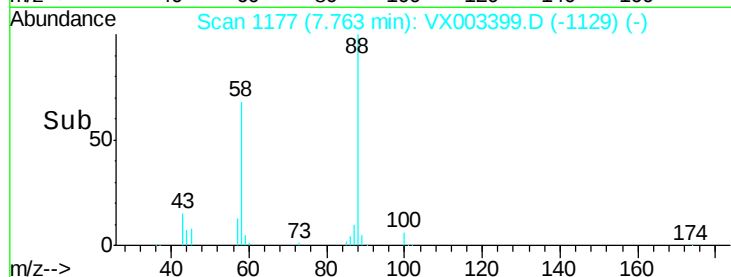
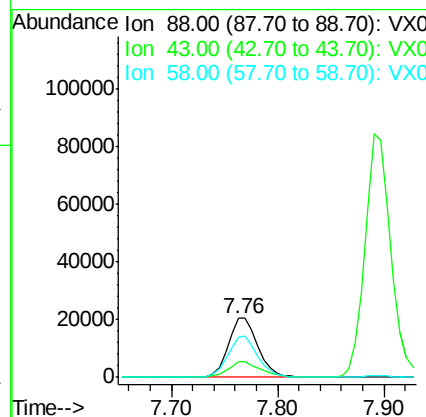
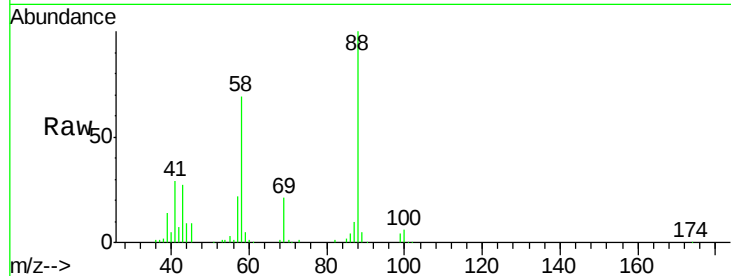
#49
1,4-Dioxane
Concen: 417.10 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	88	Resp	40007
Ion	Ratio	Lower	Upper
88	100		
43	30.9	29.8	44.6
58	71.5	57.1	85.7

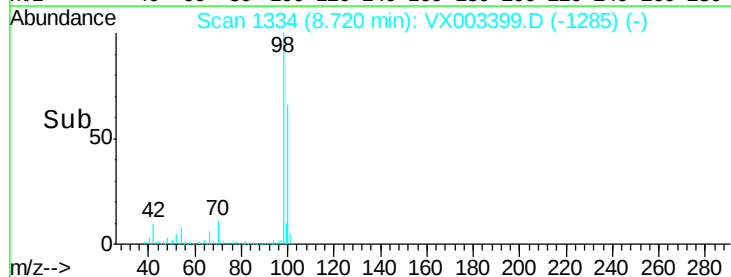
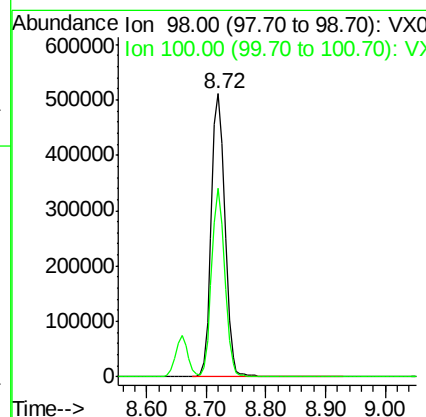
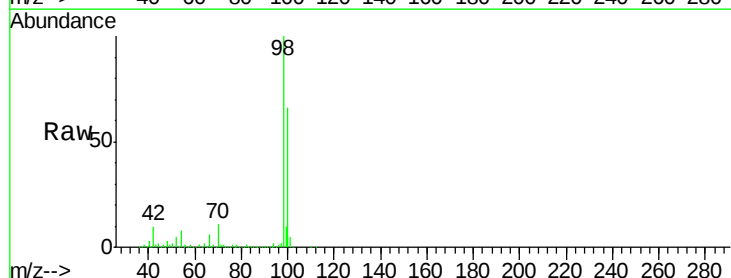
Manual Integrations
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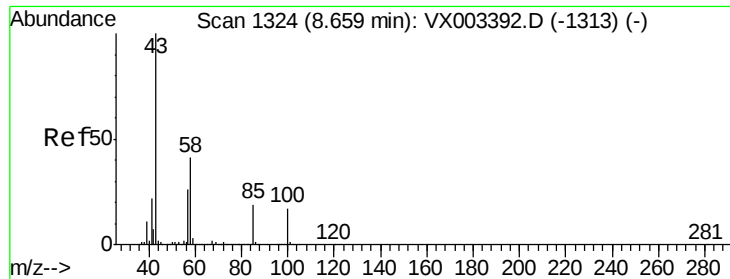
MMDadoda
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#50
Toluene-d8
Concen: 56.44 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	98	Resp	803558
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





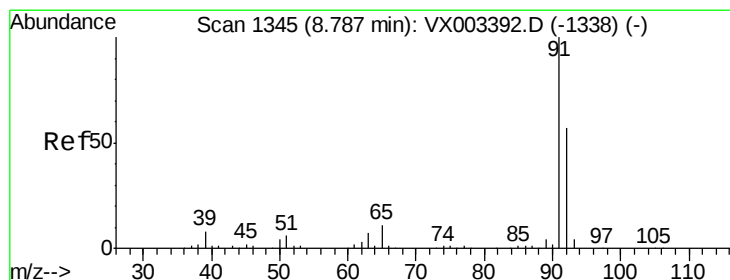
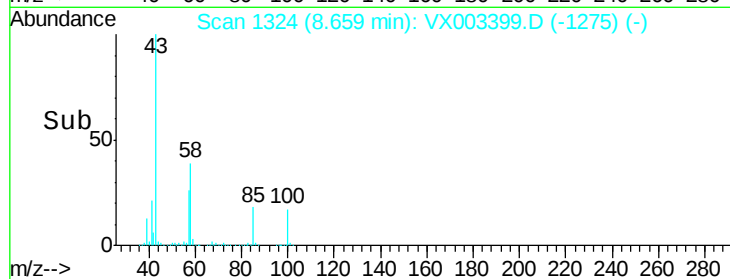
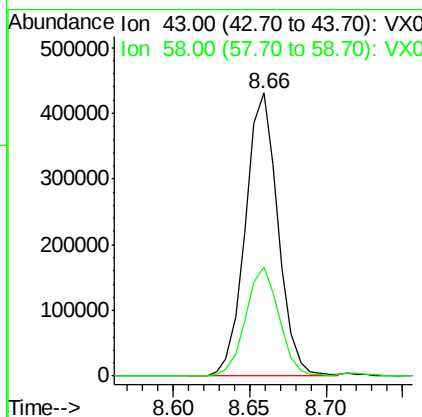
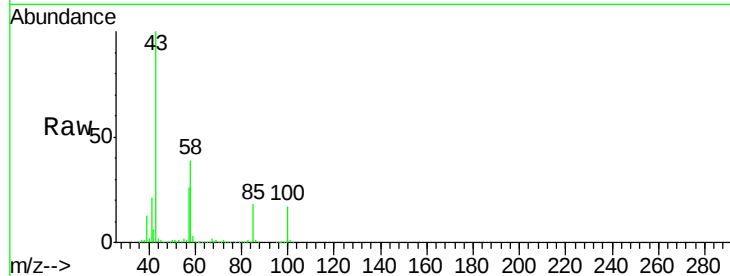
#51
4-Methyl-2-Pentanone
Concen: 118.14 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	43	Resp	638597
Ion Ratio	100	Lower	Upper
43	100		
58	39.3	28.6	42.8

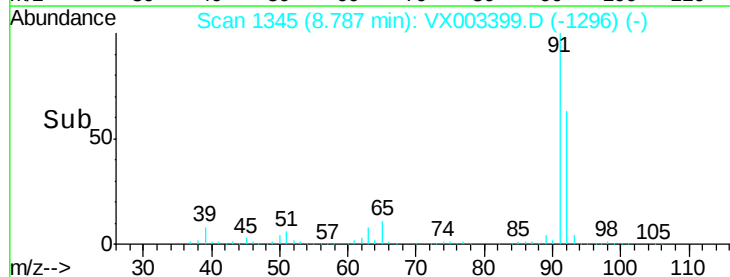
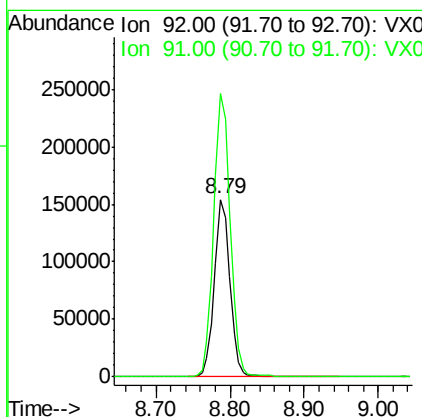
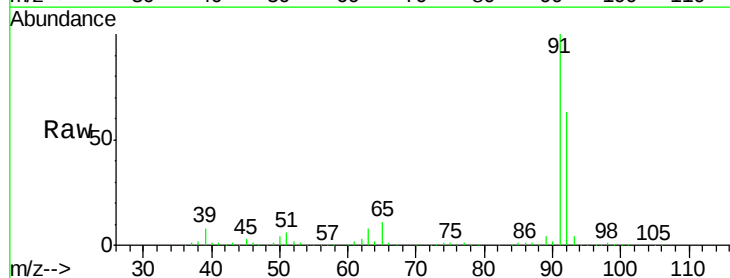
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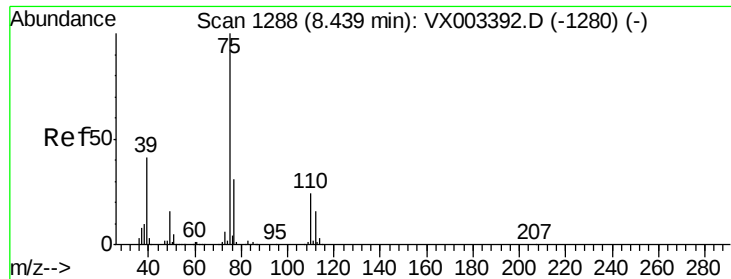
MMDadoda
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#52
Toluene
Concen: 24.14 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	92	Resp	222049
Ion Ratio	100	Lower	Upper
92	100		
91	169.6	140.4	210.6





#53

t-1,3-Dichloropropene

Concen: 22.66 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 75 Resp: 124655

Ion Ratio Lower Upper

75 100

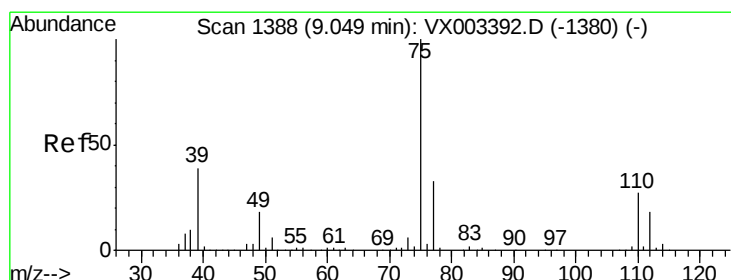
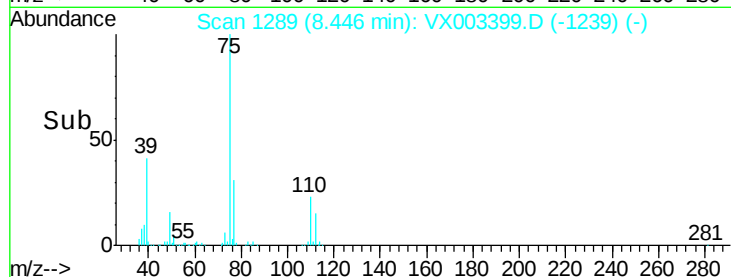
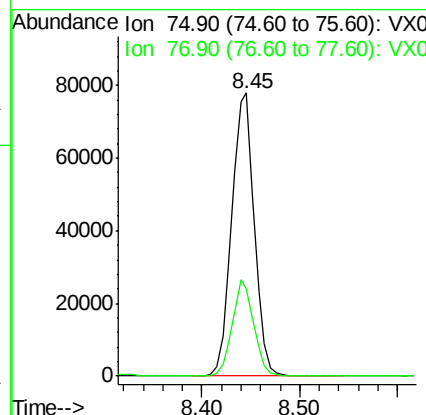
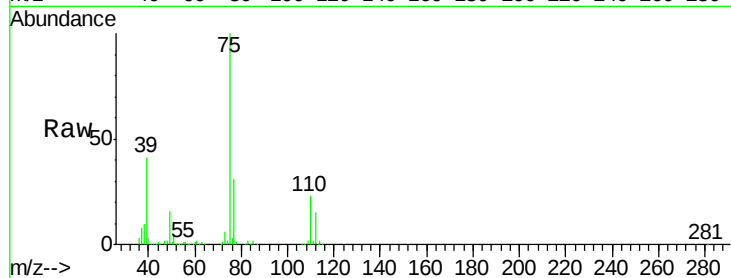
77 30.7 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.00 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

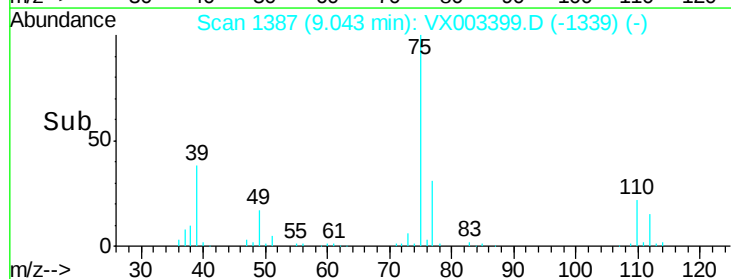
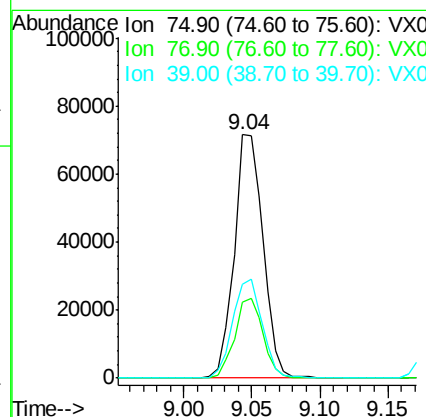
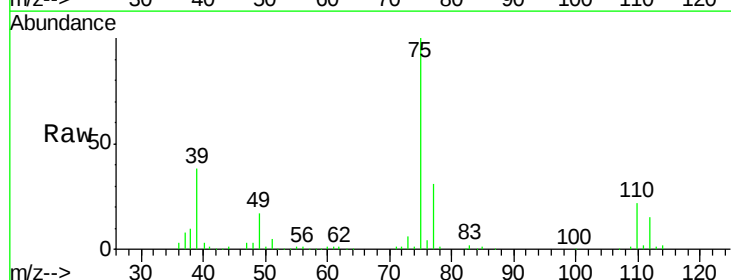
Tgt Ion: 75 Resp: 105431

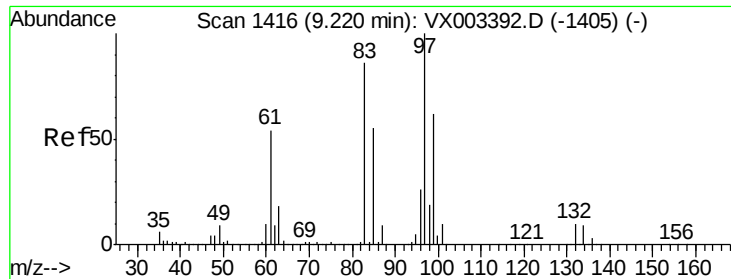
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 38.4 42.4 63.6#





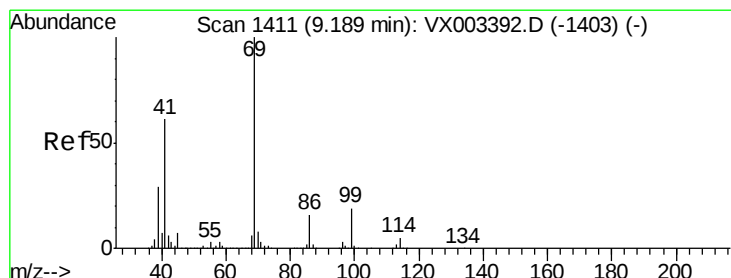
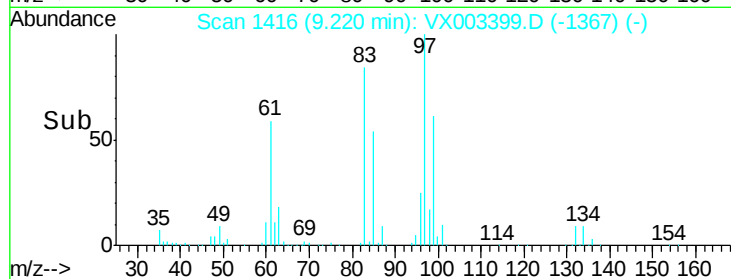
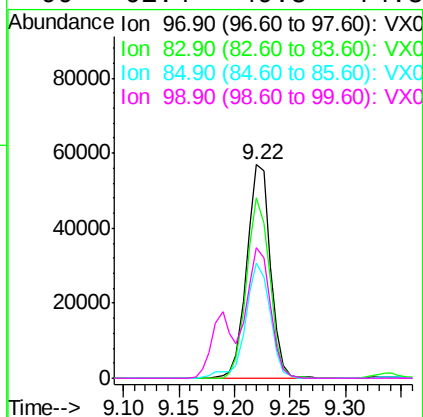
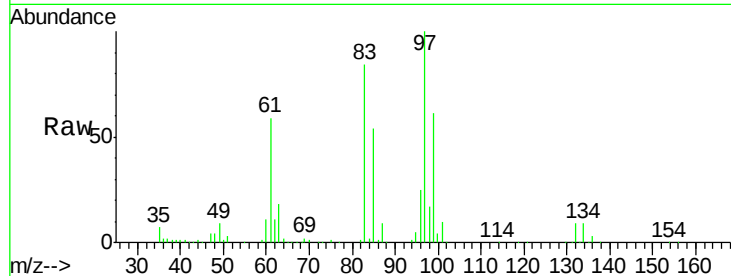
#55
 1,1,2-Trichloroethane
 Concen: 21.86 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.2	105.2
85	53.8	44.9	67.3
99	61.4	49.8	74.8

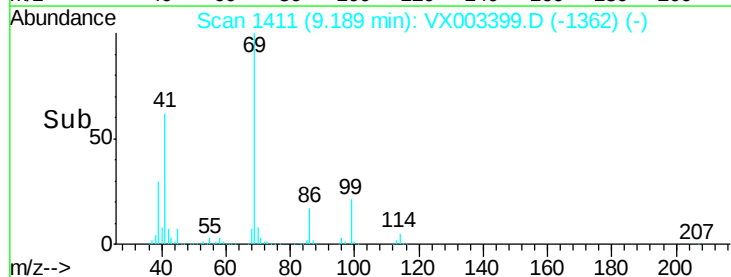
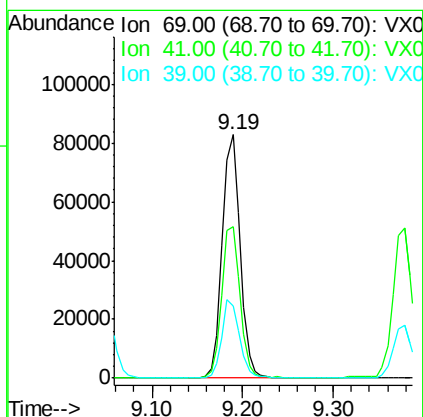
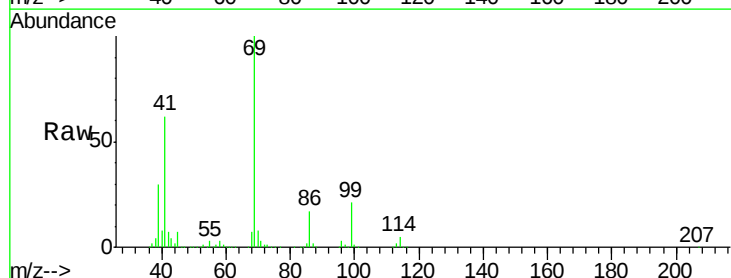
Manual Integrations
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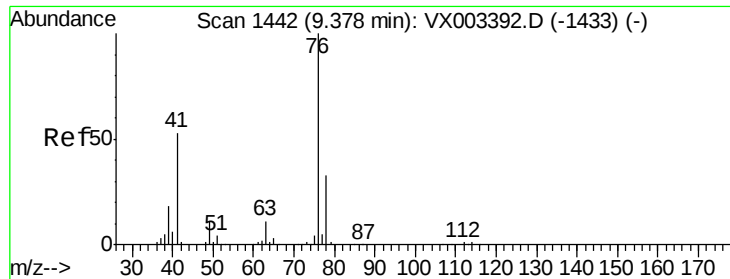
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#56
 Ethyl methacrylate
 Concen: 21.12 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.4	60.3	90.5
39	31.4	35.8	53.8#





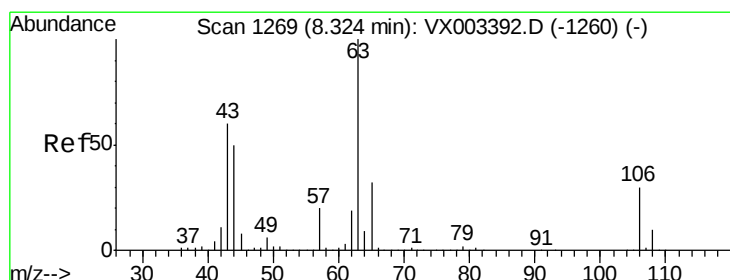
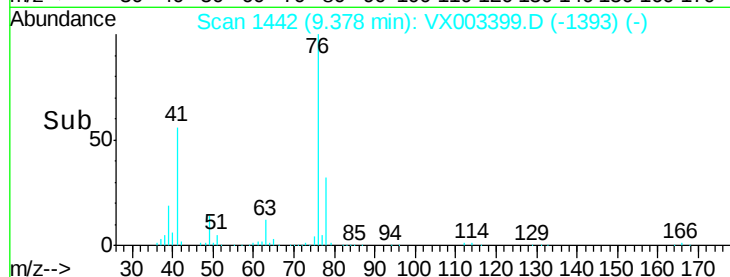
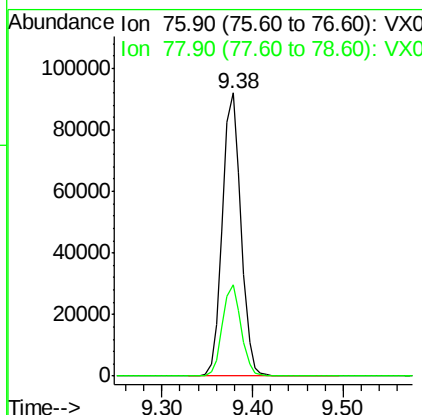
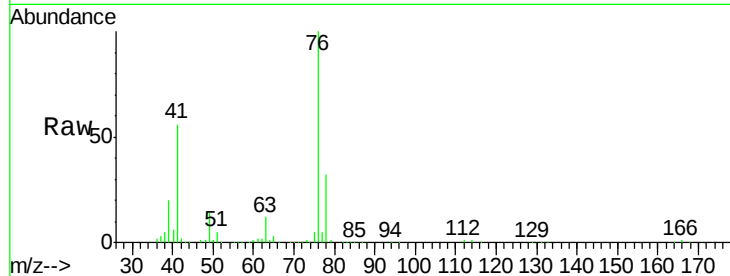
#57
 1,3-Dichloropropane
 Concen: 21.28 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampled :
 VX0716WBS01

Tot Ion: 76 Resp: 131369
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

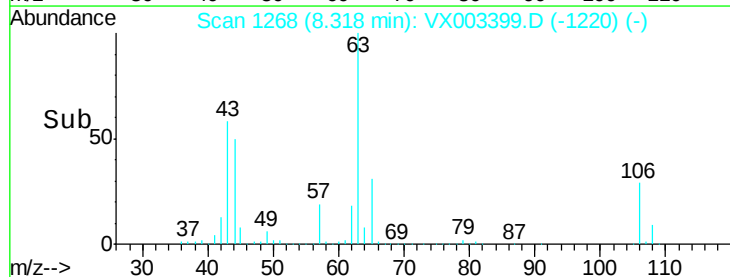
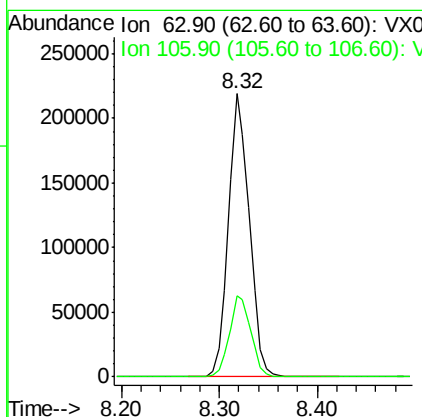
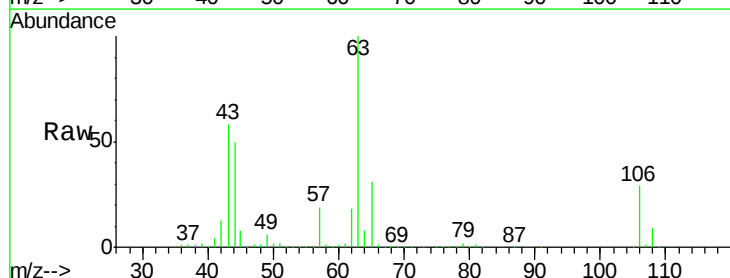
Manual Integrations
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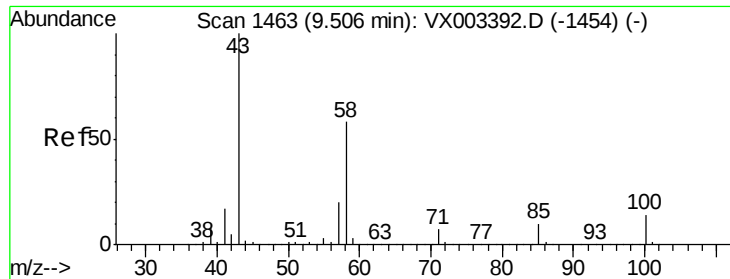
MMDadoda
 7/17/2018 1:46:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.75 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 63 Resp: 323980
 Ion Ratio Lower Upper
 63 100
 106 29.3 21.8 32.8





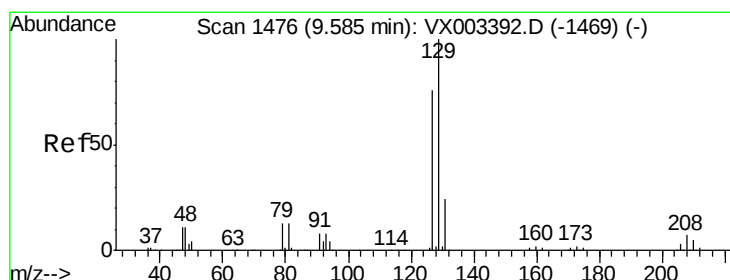
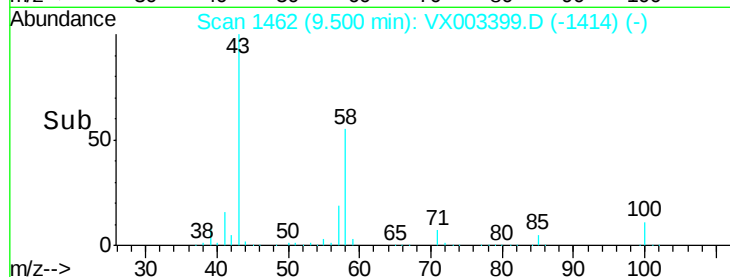
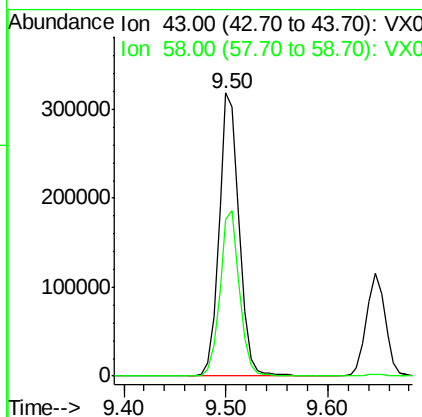
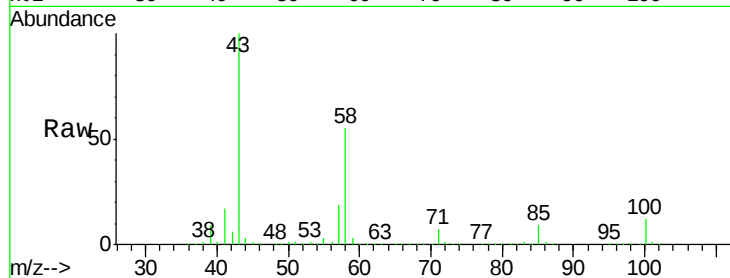
#59
2-Hexanone
Concen: 105.31 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion: 43 Resp: 437377
Ion Ratio Lower Upper
43 100
58 57.0 24.6 73.6

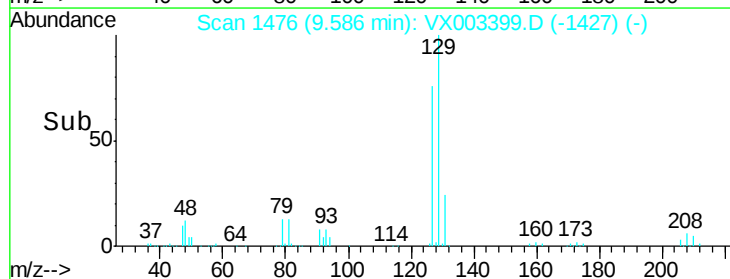
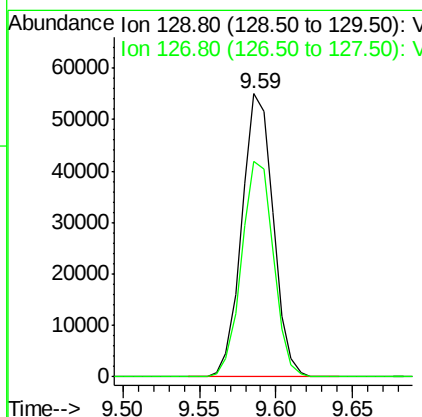
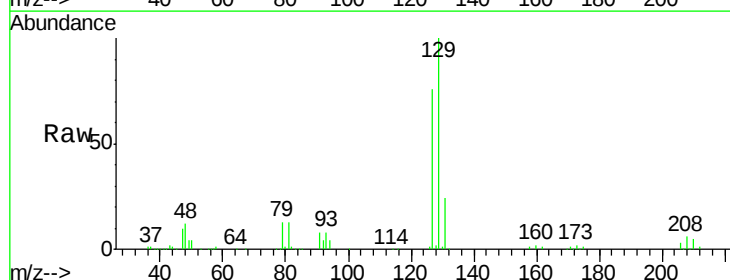
Manual Integrations
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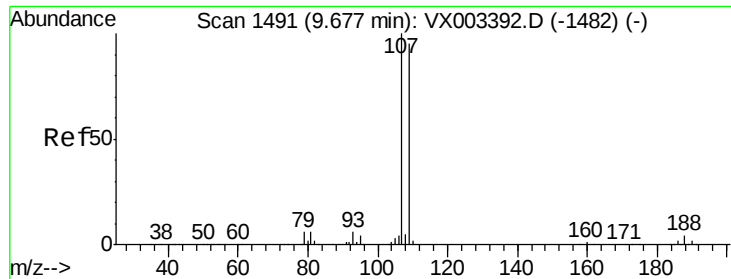
MMDadoda
7/17/2018 1:46:36 PM



#60
Dibromochloromethane
Concen: 20.53 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:129 Resp: 78378
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





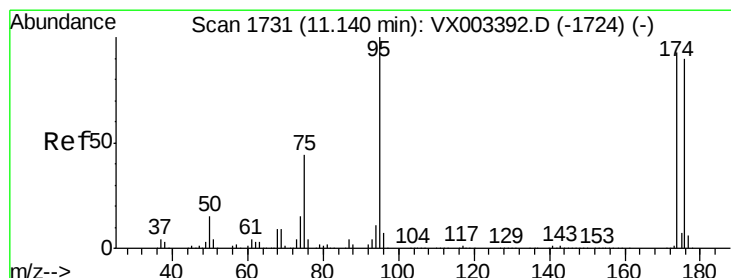
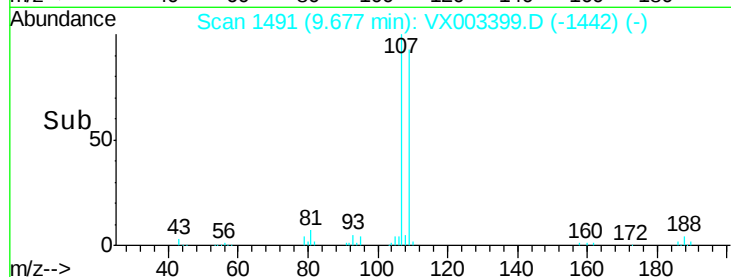
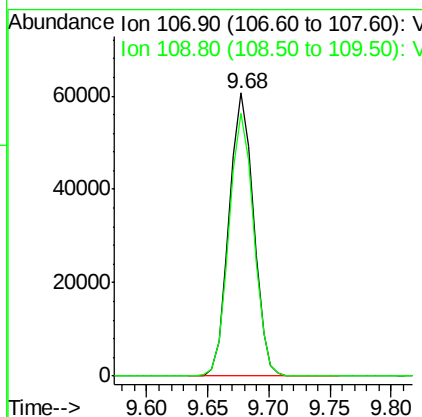
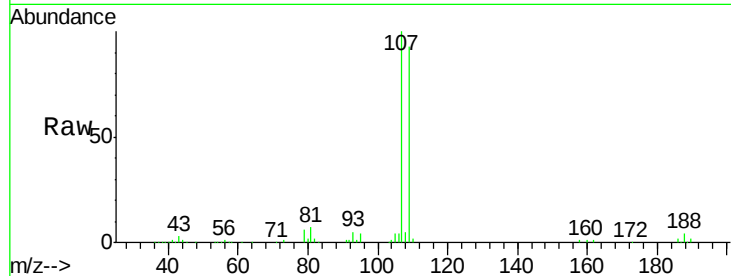
#61
 1,2-Dibromoethane
 Concen: 21.19 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion:107 Resp: 83948
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.3 112.9

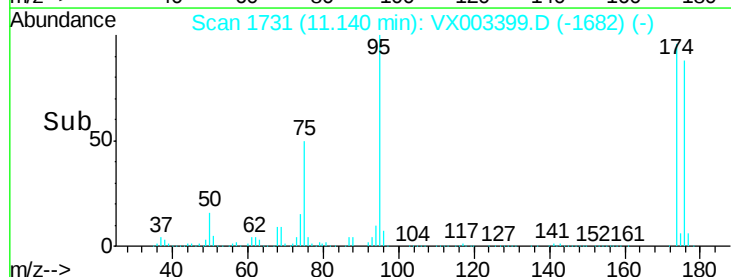
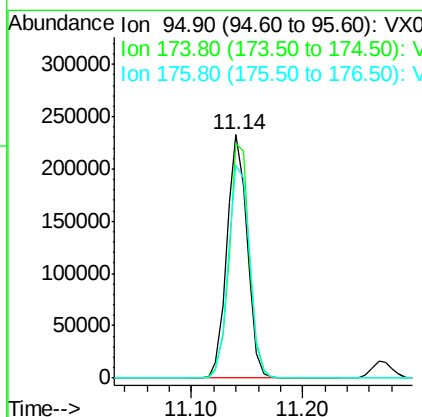
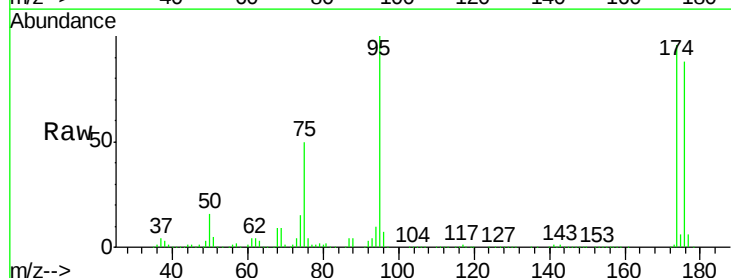
Manual Integrations
 APPROVED

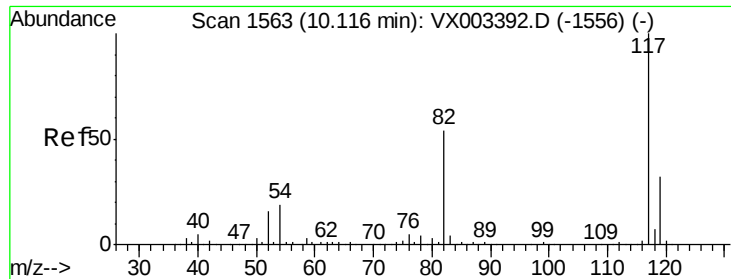
MMDadoda
 7/17/2018 1:46:36 PM



#62
 4-Bromofluorobenzene
 Concen: 57.39 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 95 Resp: 291695
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 187.4
 176 92.4 0.0 181.0





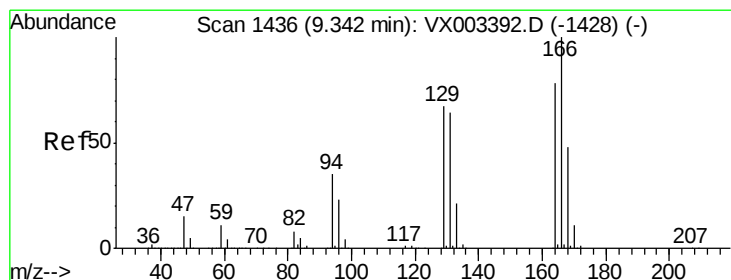
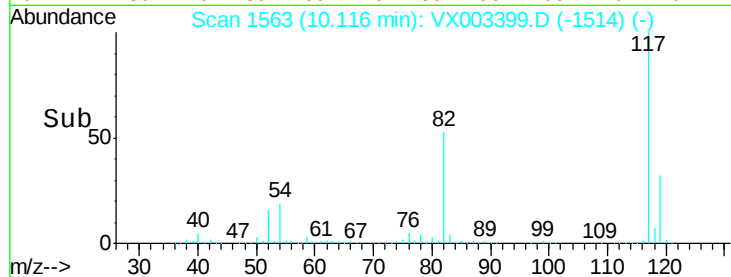
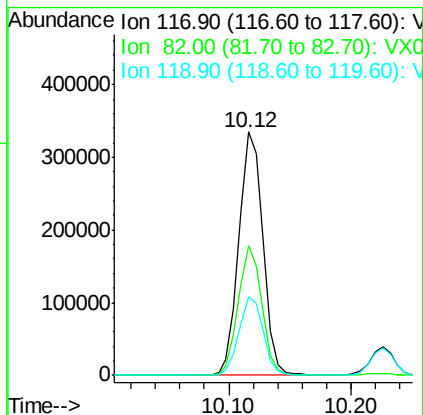
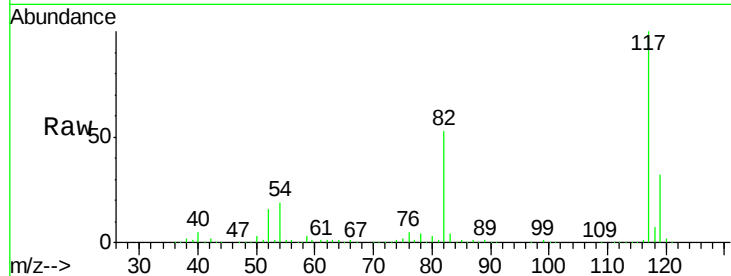
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.0	67.4
119	32.3	25.8	38.6

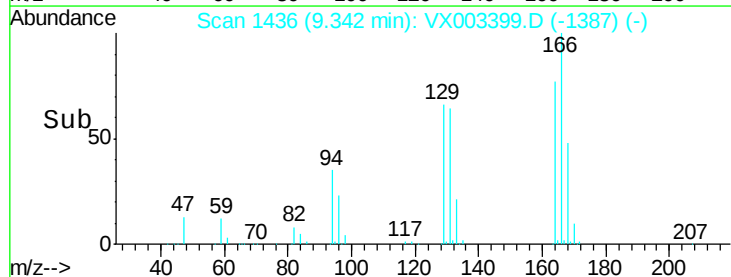
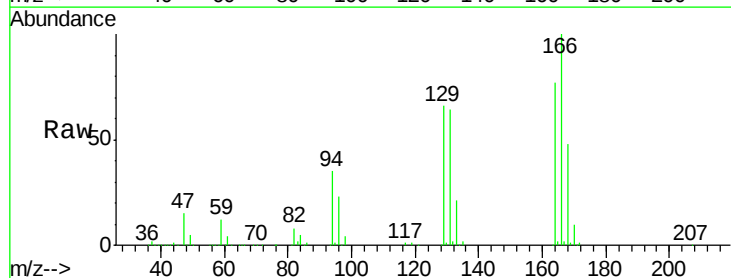
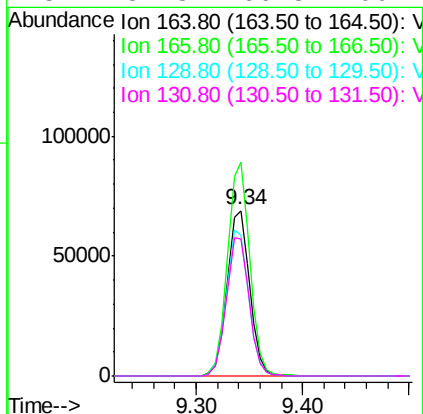
Manual Integrations
APPROVED

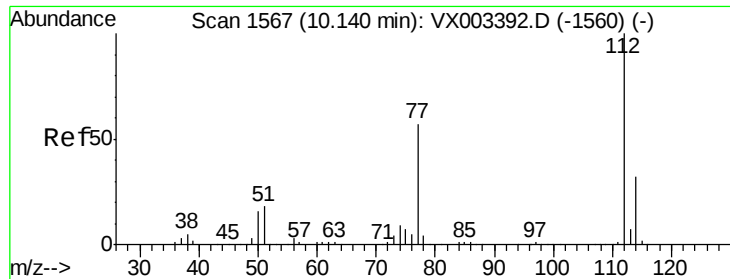
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7/17/2018 1:46:36 PM



#64
Tetrachloroethene
Concen: 21.64 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.9	154.3
129	85.7	68.6	102.8
131	82.8	66.8	100.2





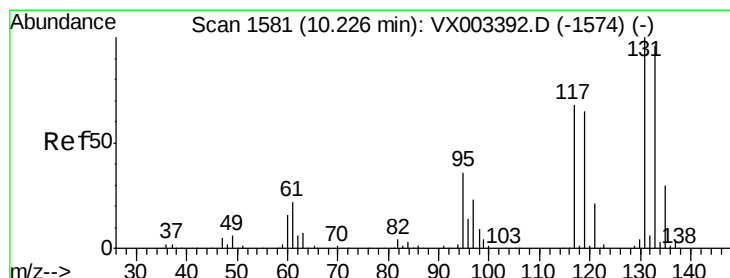
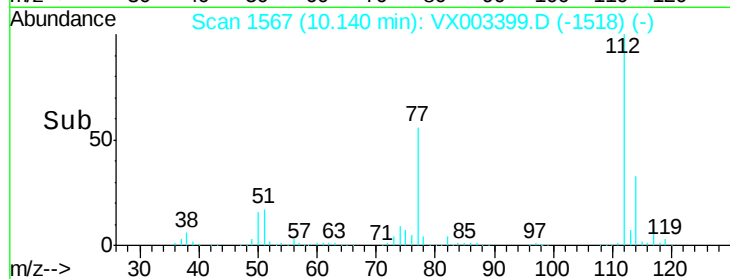
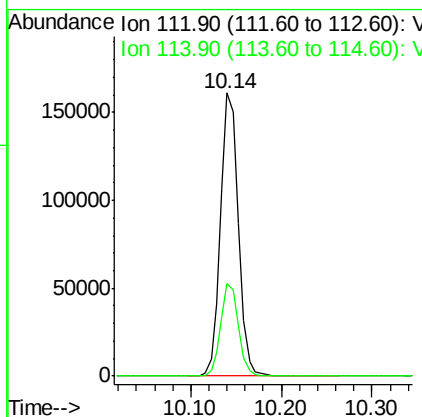
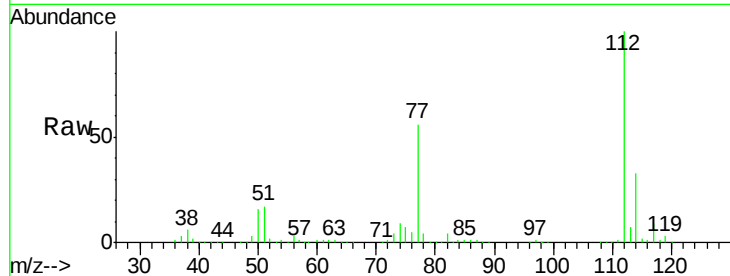
#65
Chlorobenzene
Concen: 20.70 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion:112 Resp: 221815
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

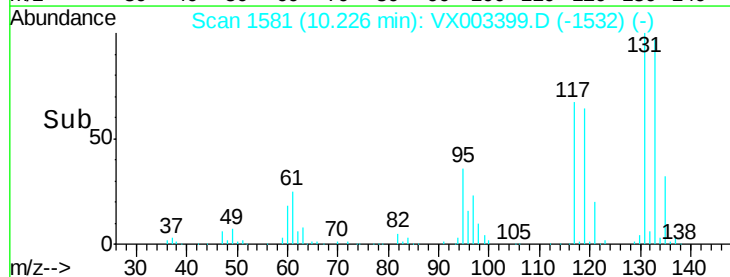
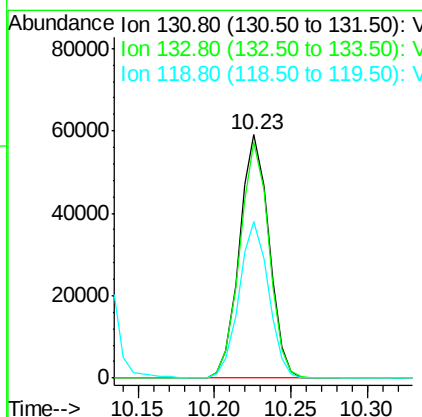
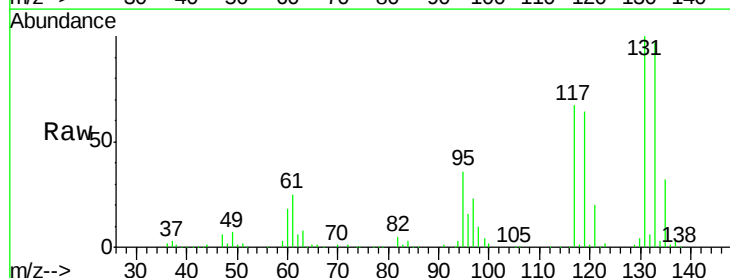
Manual Integrations
APPROVED

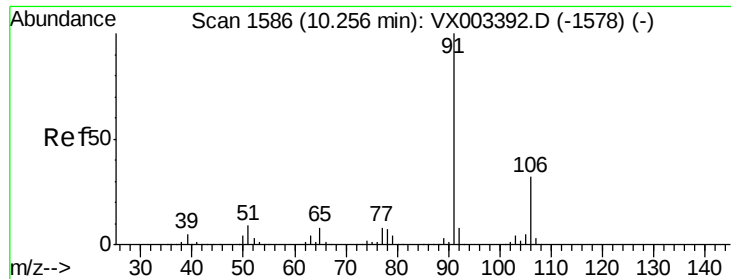
MMDadoda
7/17/2018 1:46:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.82 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:131 Resp: 79316
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 20.65 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 91 Resp: 361638

Ion Ratio Lower Upper

91 100

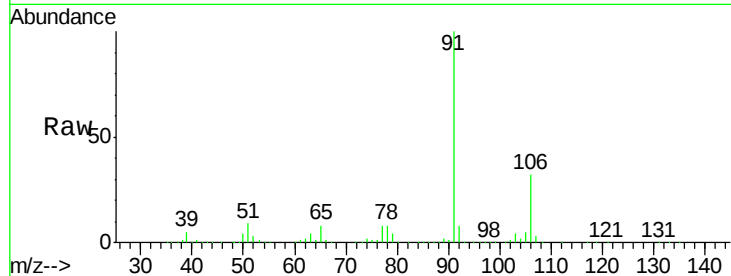
106 31.6 25.5 38.3

Manual Integrations

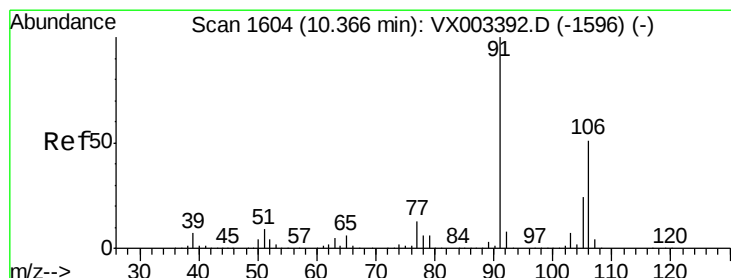
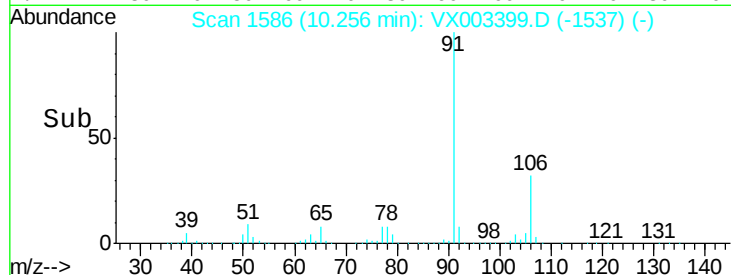
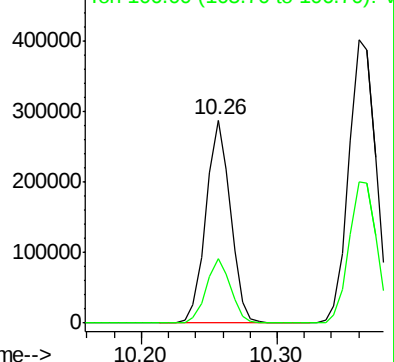
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Abundance Ion 91.00 (90.70 to 91.70): VX003399.D (-1578) (-)



#68

m/p-Xylenes

Concen: 41.93 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX003399.D

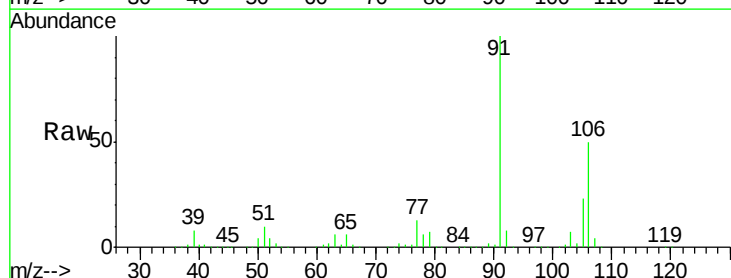
Acq: 16 Jul 2018 19:38

Tgt Ion: 106 Resp: 284084

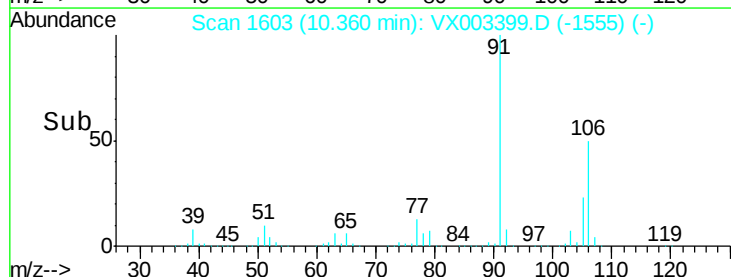
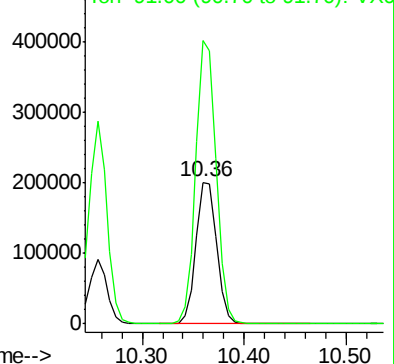
Ion Ratio Lower Upper

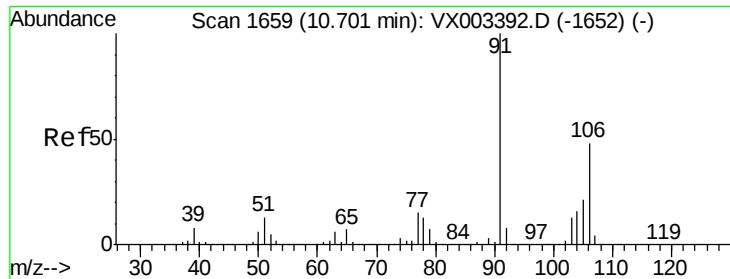
106 100

91 197.1 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX003399.D (-1596) (-)





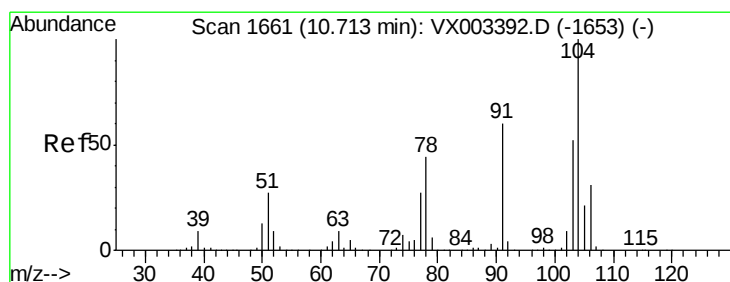
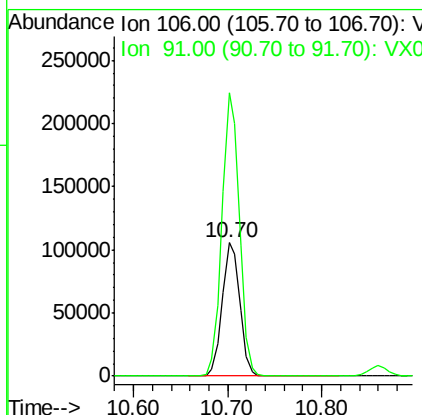
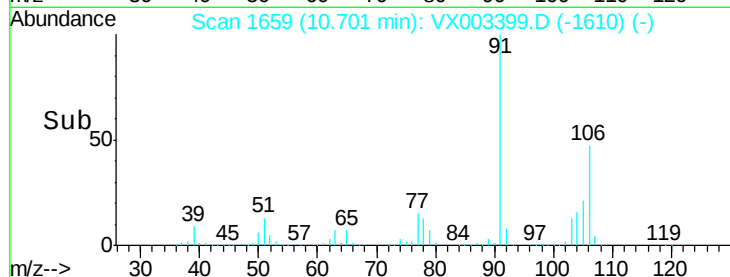
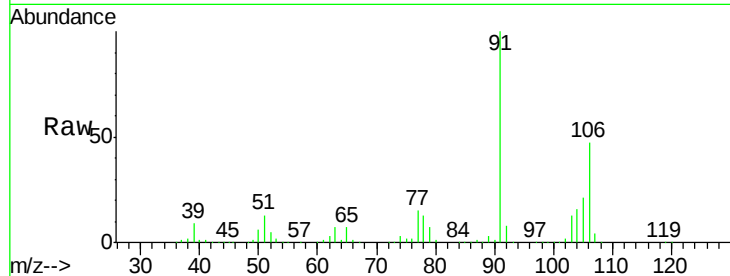
#69
o-Xylene
Concen: 21.01 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion:106 Resp: 136745
Ion Ratio Lower Upper
106 100
91 210.7 108.2 324.6

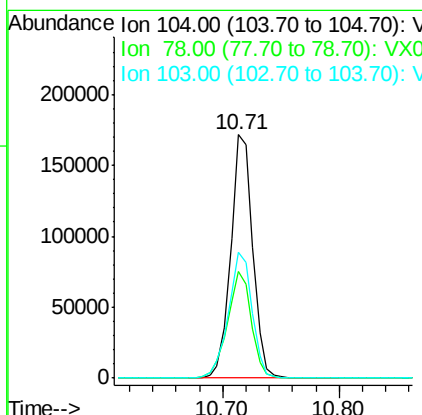
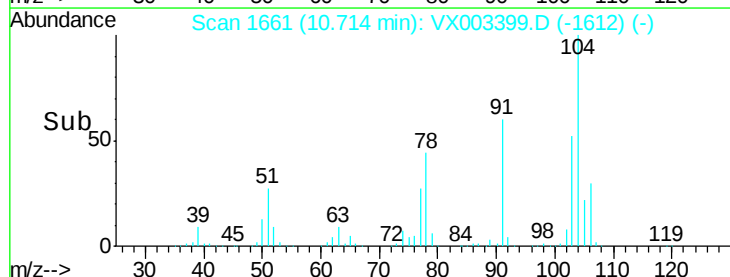
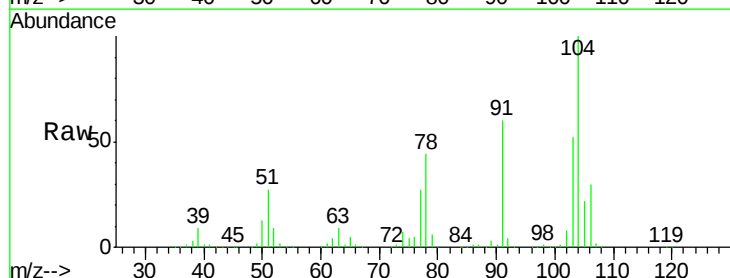
Manual Integrations
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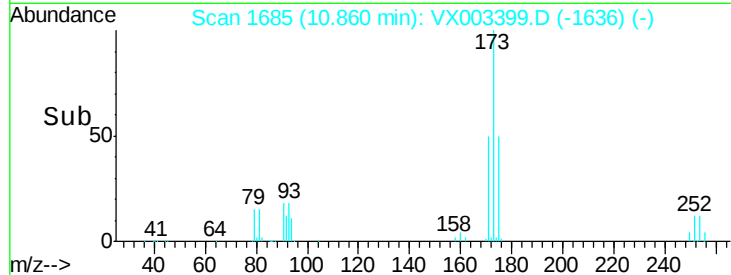
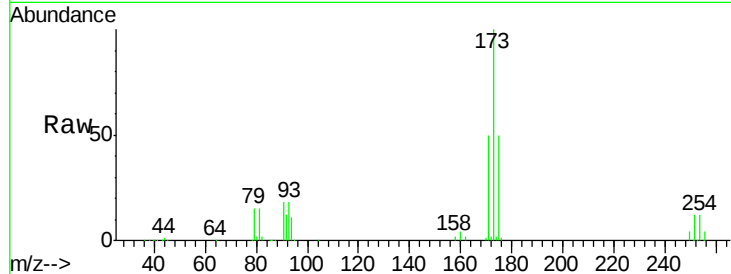
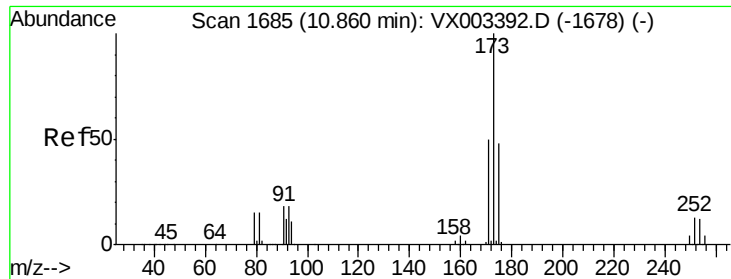
MMDadoda
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#70
Styrene
Concen: 21.08 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:104 Resp: 225773
Ion Ratio Lower Upper
104 100
78 47.5 41.0 61.6
103 55.7 44.2 66.4





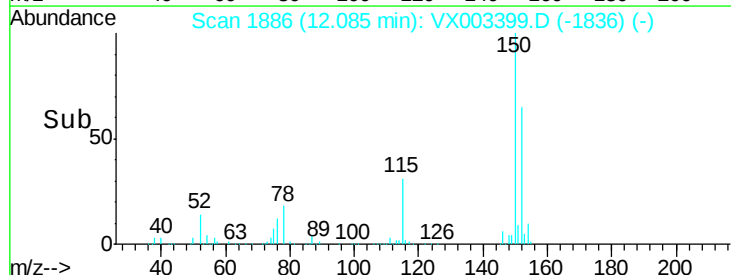
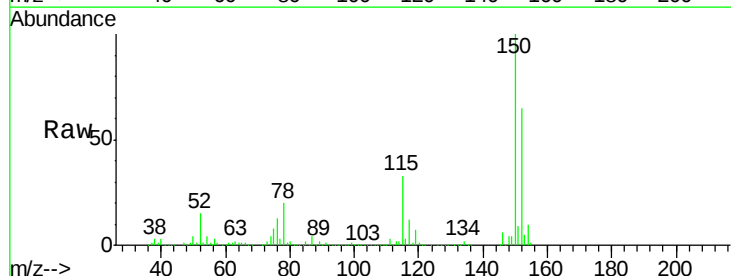
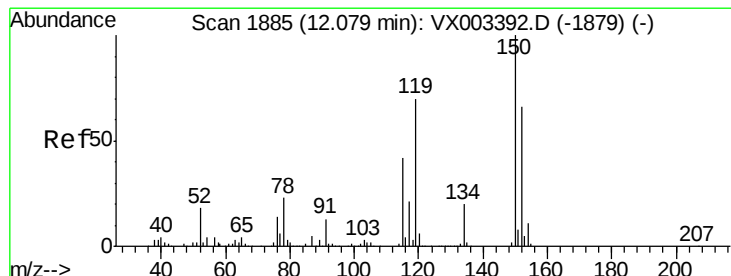
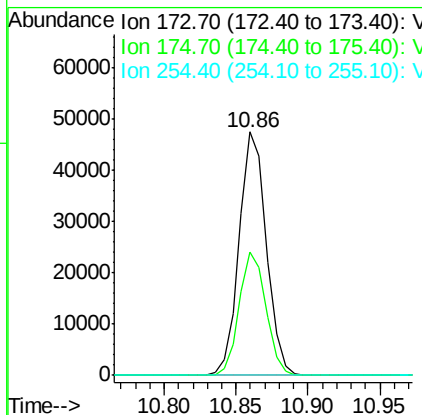
#71
Bromoform
Concen: 20.32 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tot Ion:173 Resp: 62271
Ion Ratio Lower Upper
173 100
175 50.1 24.7 74.1
254 0.1 0.2 0.2#

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

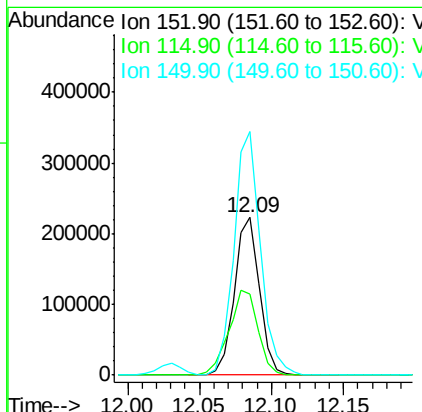
Manual Integrations
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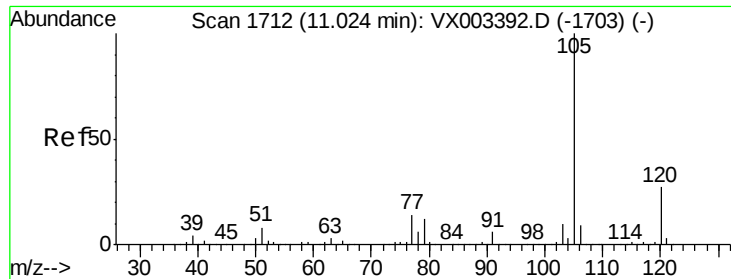
MMDadoda
7/17/2018 1:46:36 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:152 Resp: 270569
Ion Ratio Lower Upper
152 100
115 62.8 40.1 120.2
150 163.2 0.0 347.2





#73

Isopropylbenzene

Concen: 22.73 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:105 Resp: 393848

Ion Ratio Lower Upper

105 100

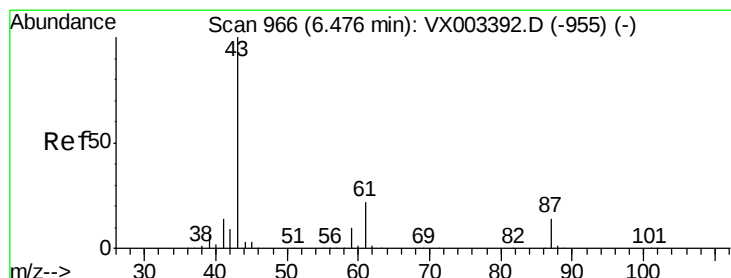
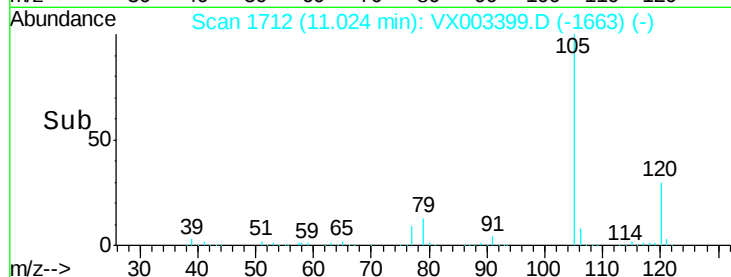
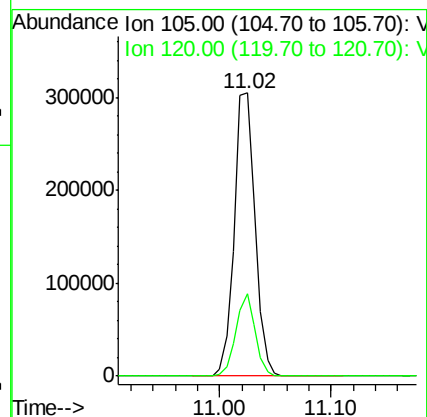
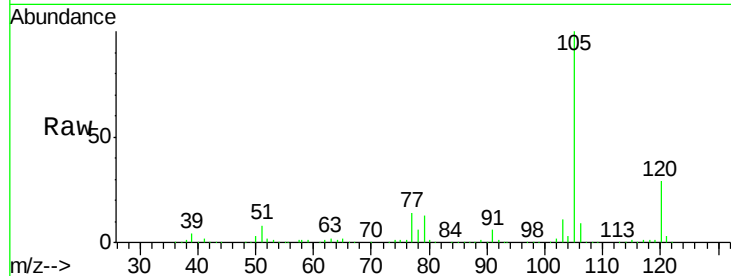
120 26.7 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.43 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion: 43 Resp: 170178

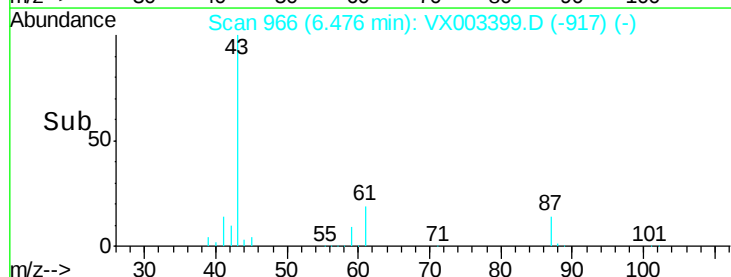
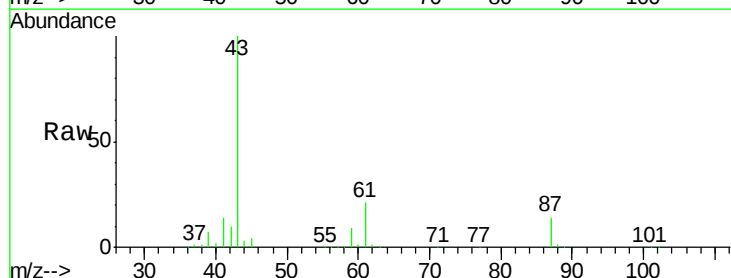
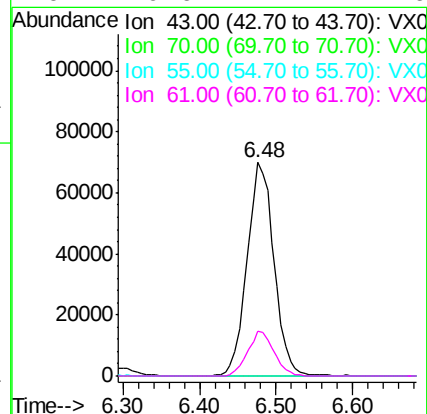
Ion Ratio Lower Upper

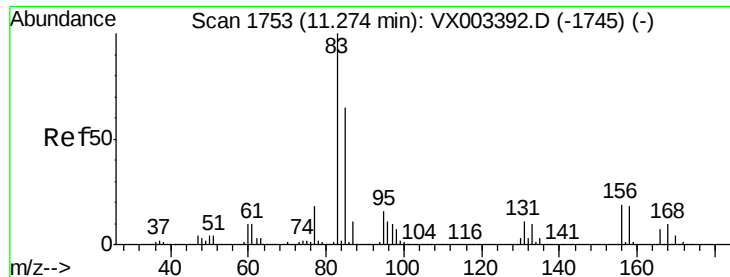
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.6 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.82 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

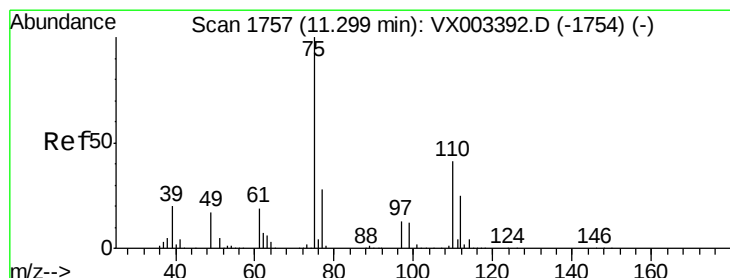
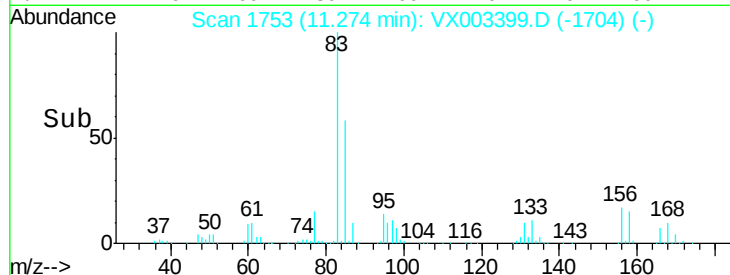
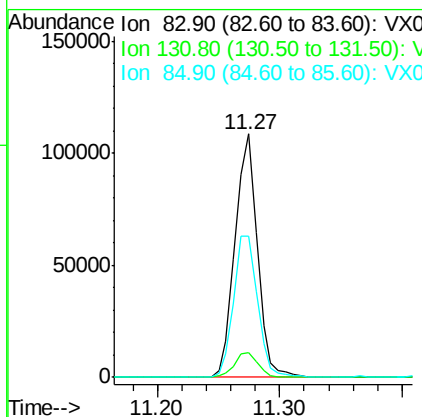
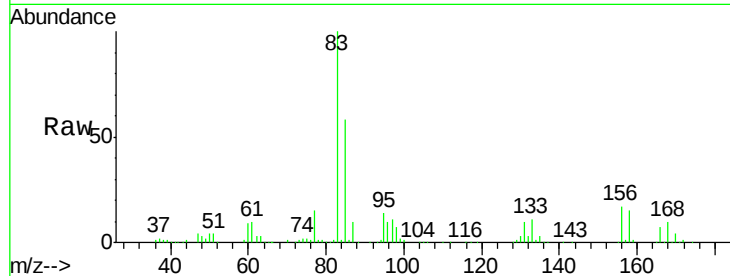
ClientSampleId :

VX0716WBS01

Tot Ion:	83	Resp:	136224
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.6	16.8
85	63.0	32.4	97.2

Manual Integrations
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7/17/2018 1:46:36 PM



#76

1,2,3-Trichloropropane

Concen: 27.41 ug/l m

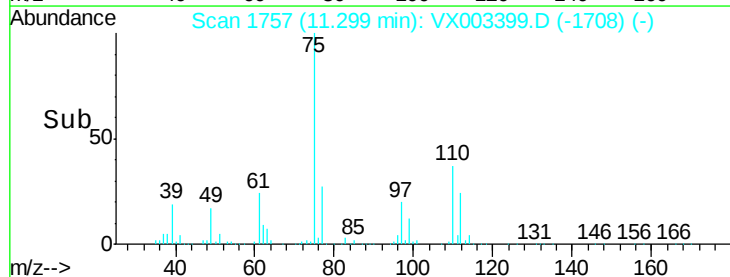
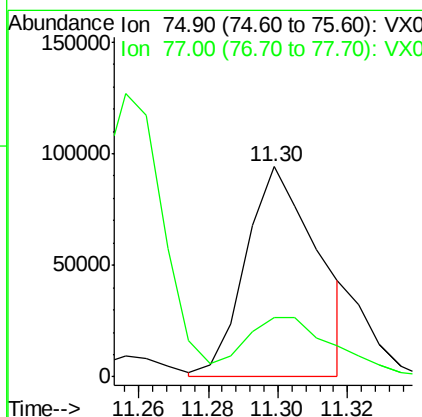
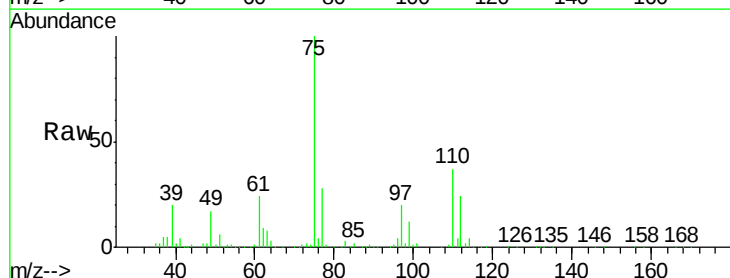
RT: 11.30 min Scan# 1757

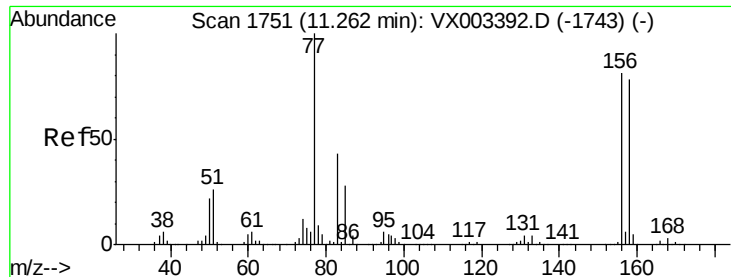
Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion:	75	Resp:	134268
Ion Ratio	Lower	Upper	
75	100		
77	35.6	22.8	68.3





#77

Bromobenzene

Concen: 22.60 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

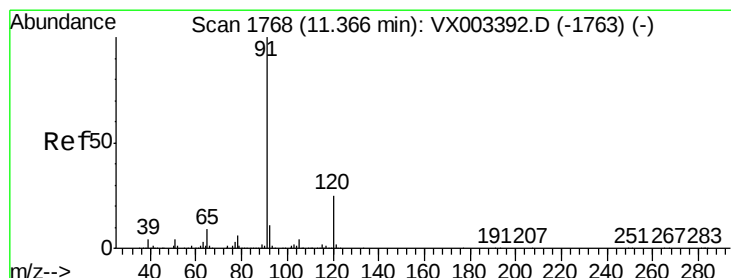
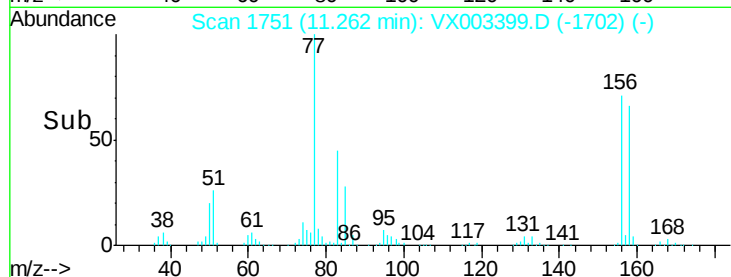
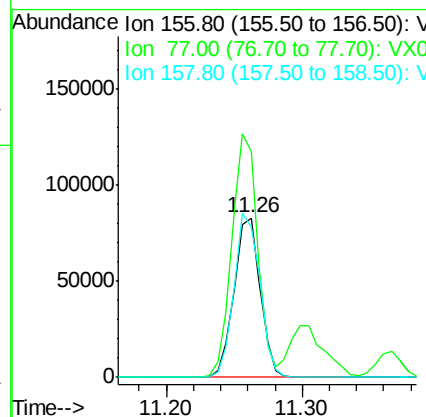
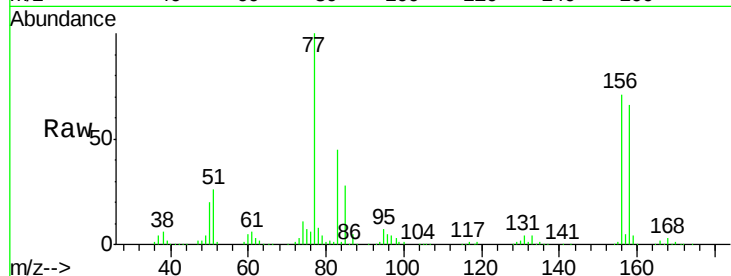
ClientSampleId :

VX0716WBS01

Tot Ion:	156	Resp:	111179
Ion Ratio	Lower	Upper	
156	100		
77	149.9	71.4	214.2
158	101.0	48.9	146.6

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#78

n-propylbenzene

Concen: 23.81 ug/l

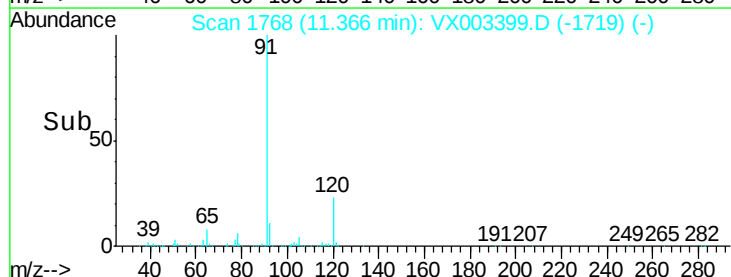
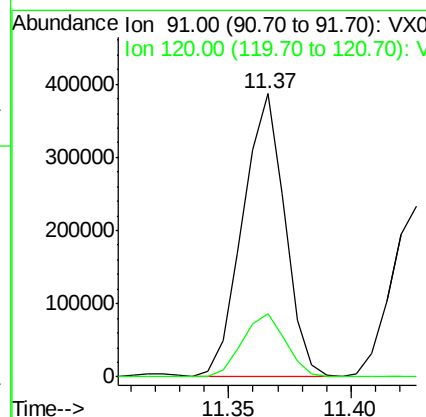
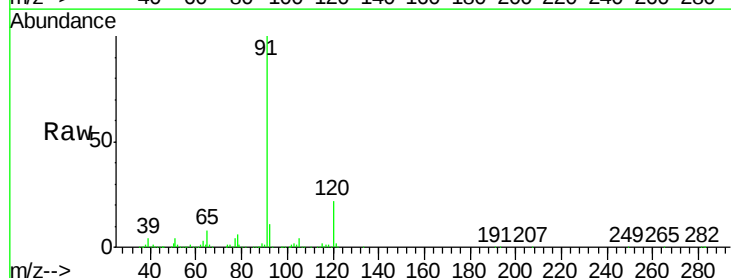
RT: 11.37 min Scan# 1768

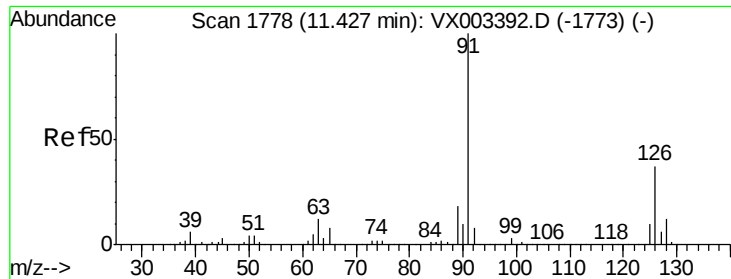
Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion:	91	Resp:	460750
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 23.69 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 91 Resp: 281075

Ion Ratio Lower Upper

91 100

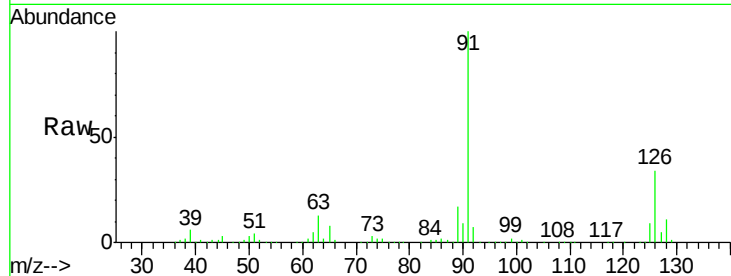
126 35.1 17.7 53.1

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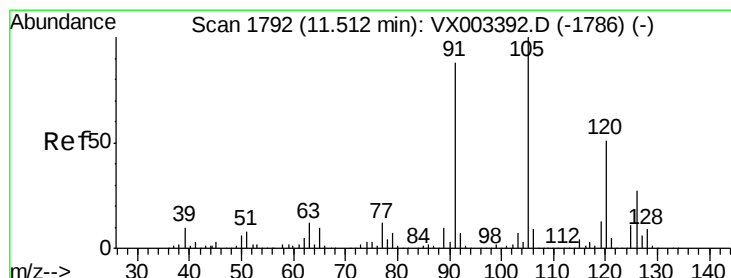
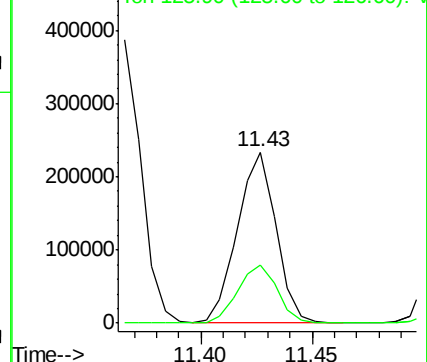
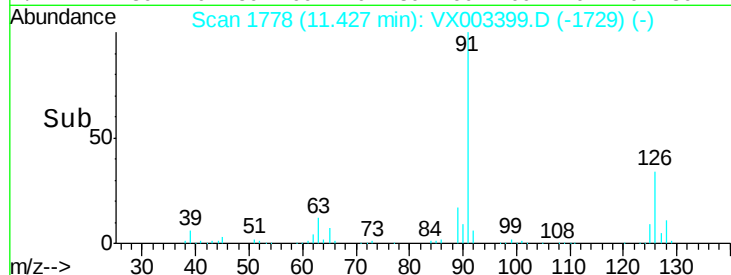
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.51 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003399.D

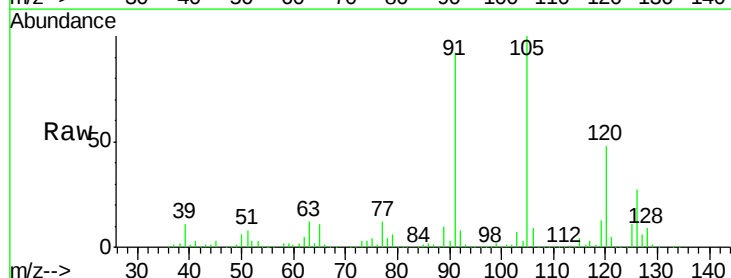
Acq: 16 Jul 2018 19:38

Tgt Ion:105 Resp: 318561

Ion Ratio Lower Upper

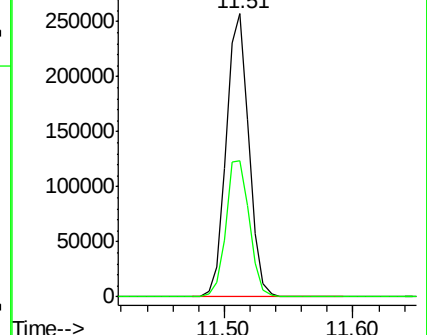
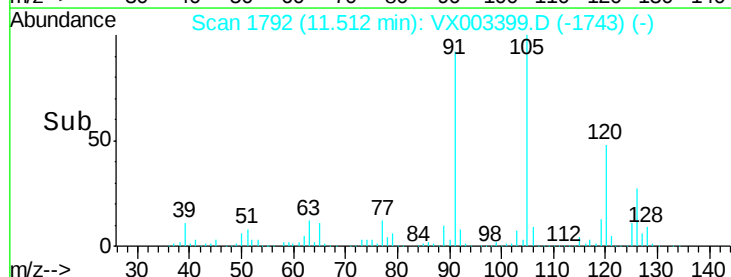
105 100

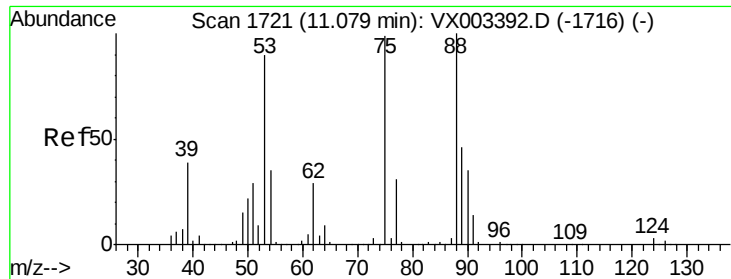
120 50.1 24.4 73.4



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: 21.43 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

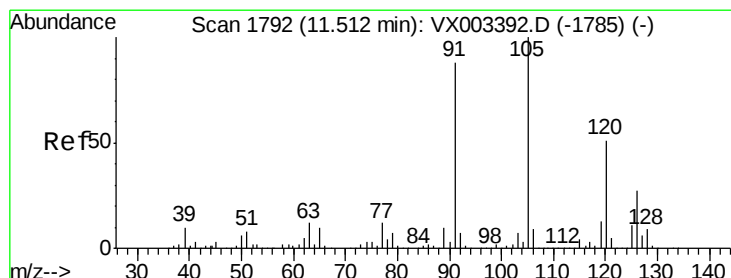
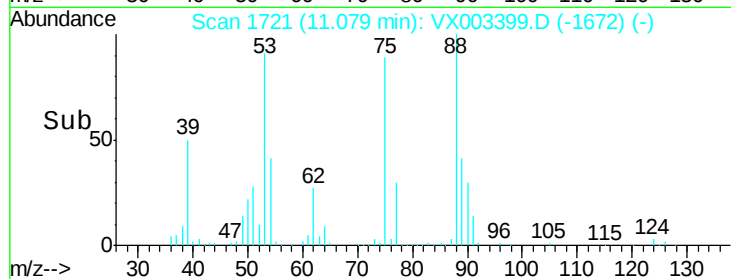
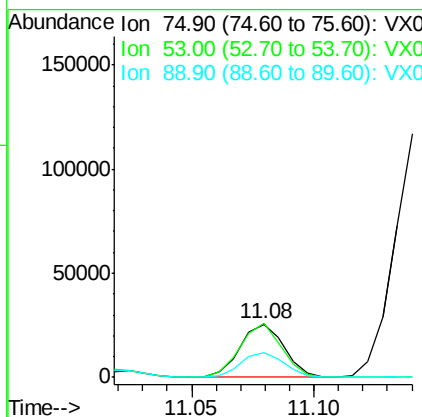
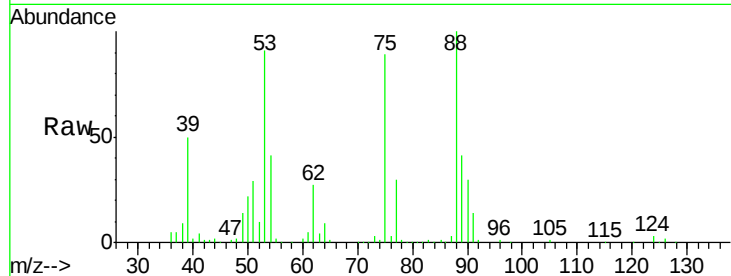
ClientSampleId :

VX0716WBS01

Tot Ion:	75	Resp:	32311
Ion Ratio	Lower	Upper	
75	100		
53	95.1	86.8	130.2
89	45.9	38.2	57.2

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#82

4-Chlorotoluene

Concen: 21.66 ug/l

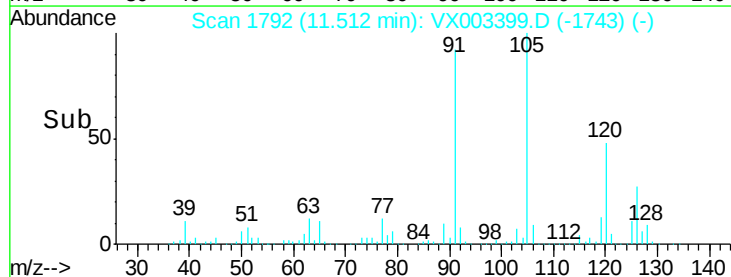
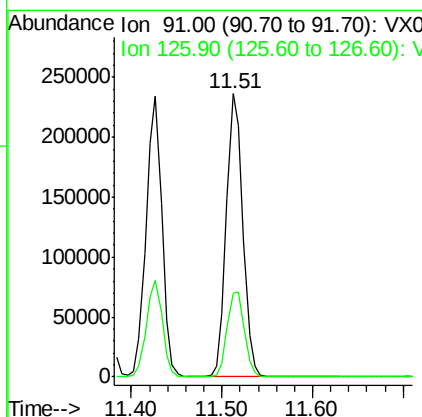
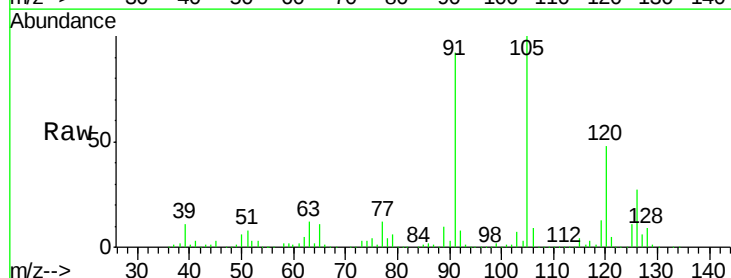
RT: 11.51 min Scan# 1792

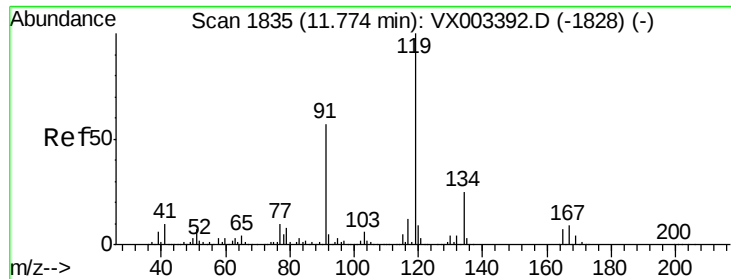
Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion:	91	Resp:	299809
Ion Ratio	Lower	Upper	
91	100		
126	31.3	15.4	46.4





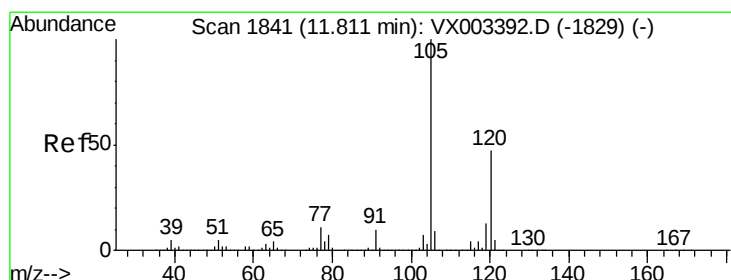
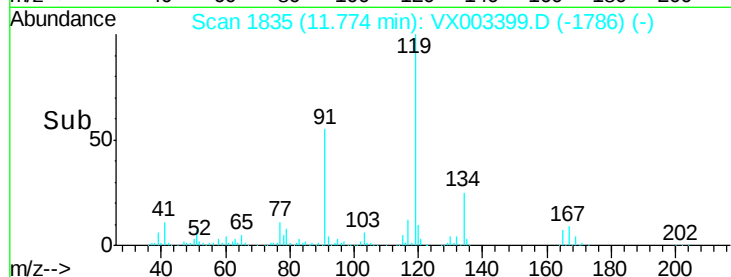
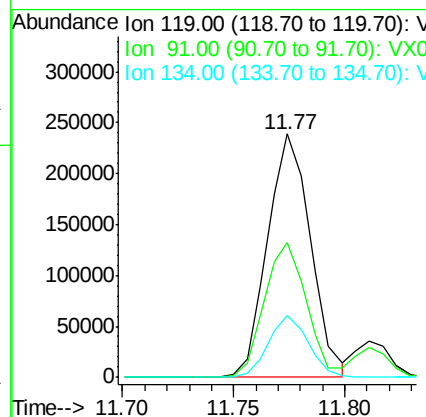
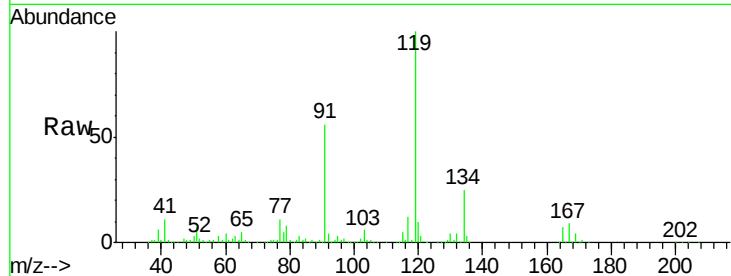
#83
 tert-Butylbenzene
 Concen: 23.15 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	320165		
91	54.6	30.3	90.9	
134	23.3	11.7	35.1	

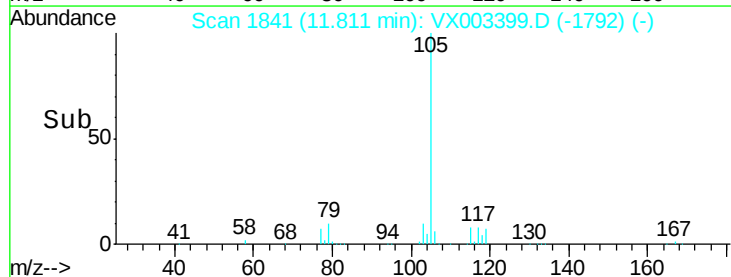
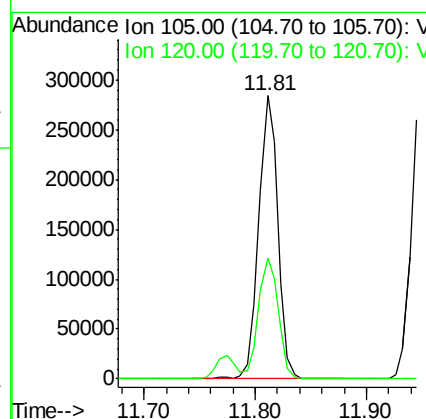
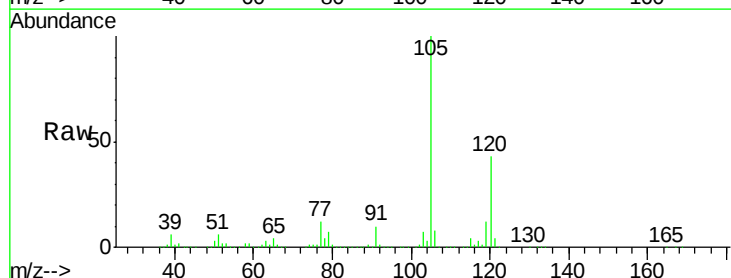
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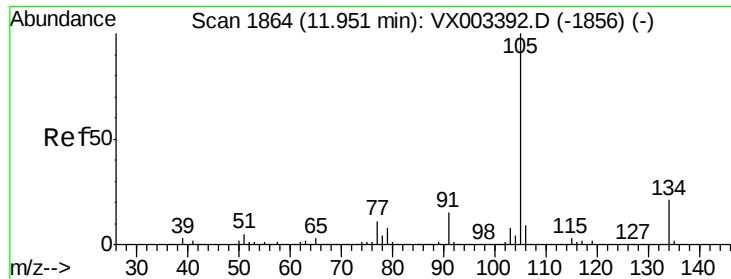
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.45 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	340876		
120	44.5	22.3	66.8	





#85

sec-Butylbenzene

Concen: 23.47 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:105 Resp: 393791

Ion Ratio Lower Upper

105 100

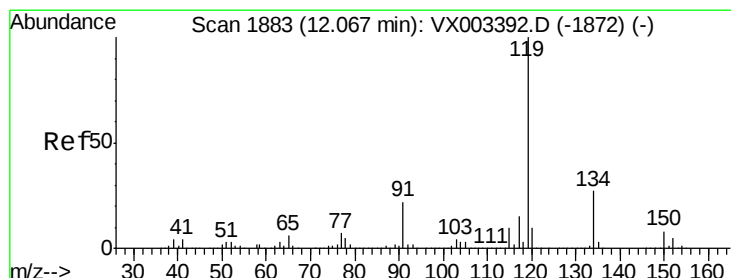
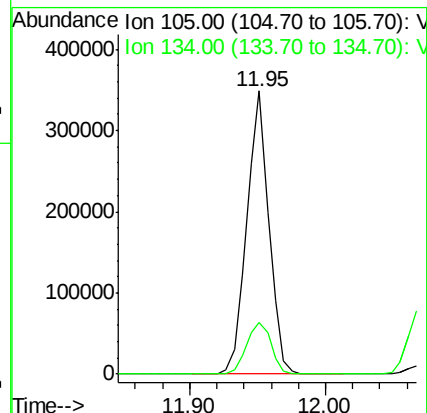
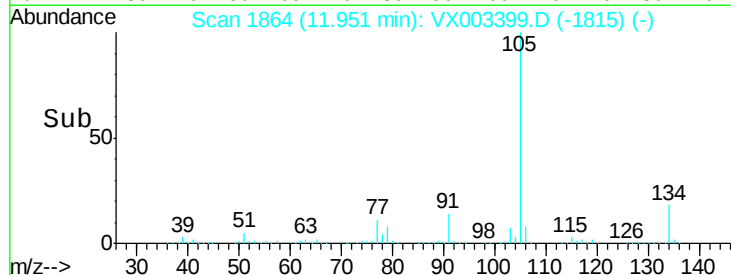
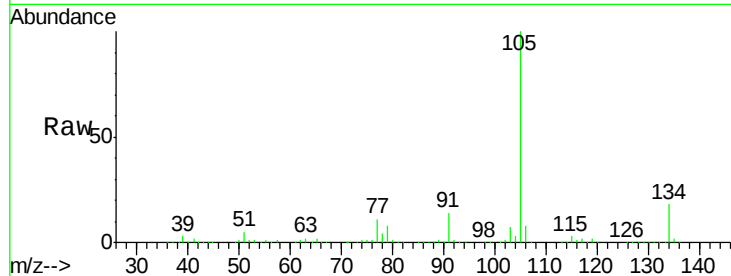
134 20.5 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 22.91 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

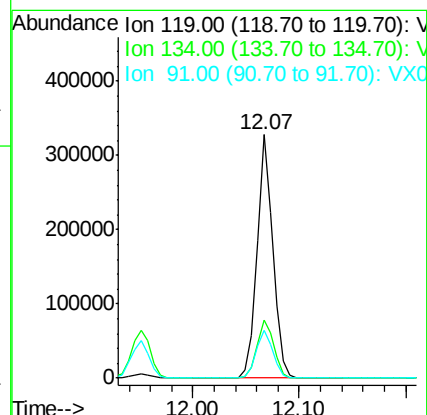
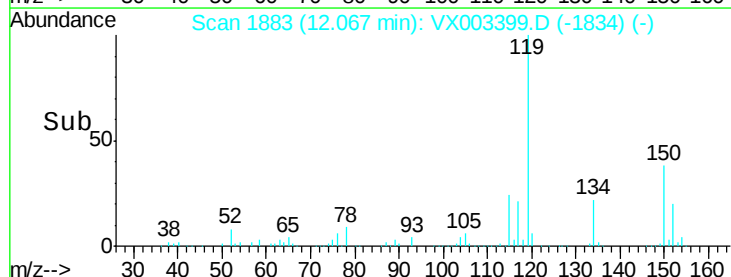
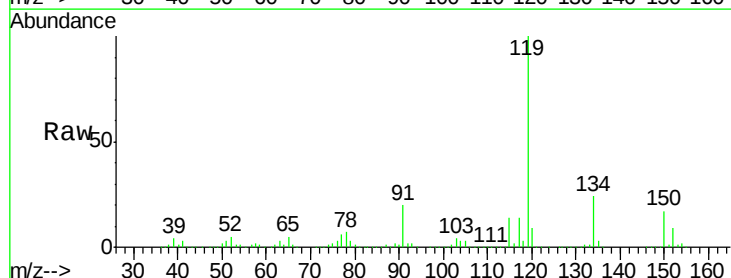
Tgt Ion:119 Resp: 342123

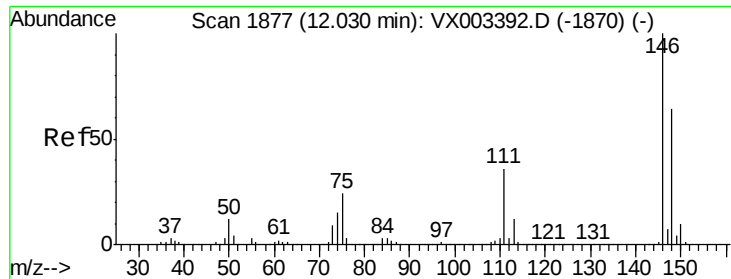
Ion Ratio Lower Upper

119 100

134 25.8 13.4 40.1

91 21.1 11.9 35.7





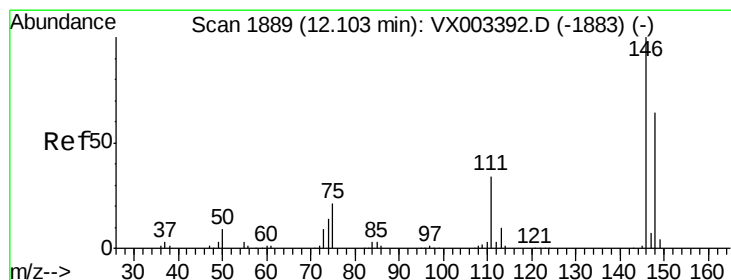
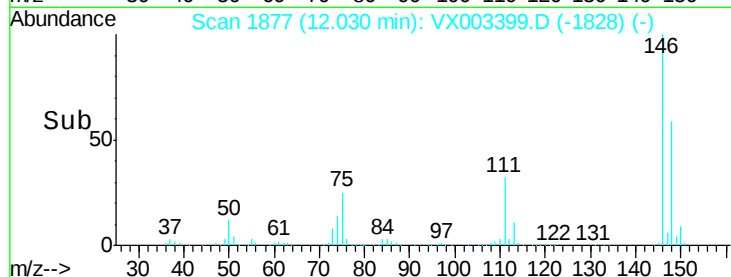
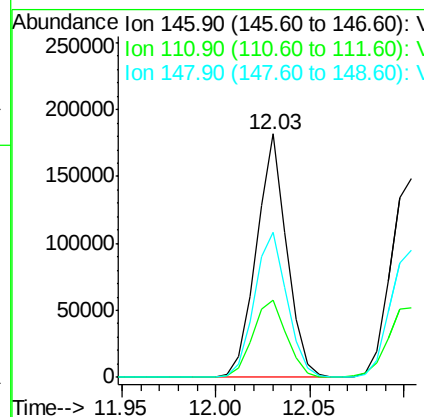
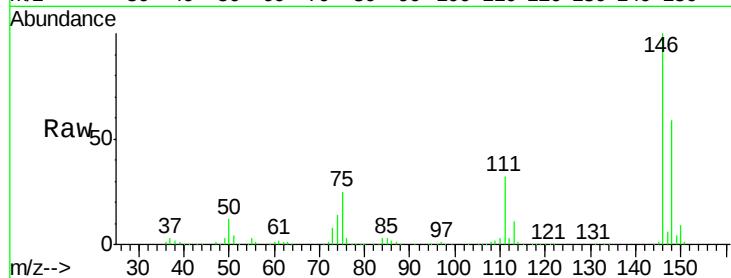
#87
 1,3-Dichlorobenzene
 Concen: 22.53 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.9	56.7
148	64.1	32.1	96.3

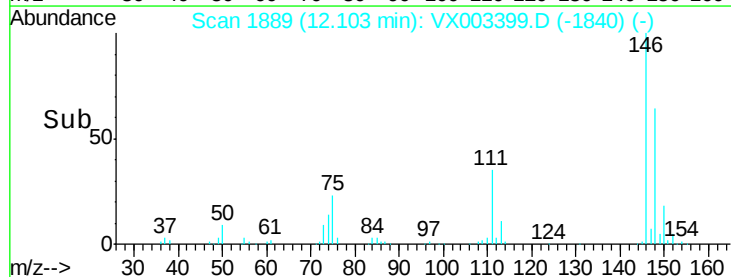
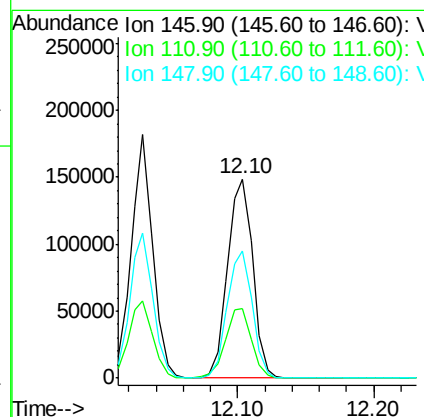
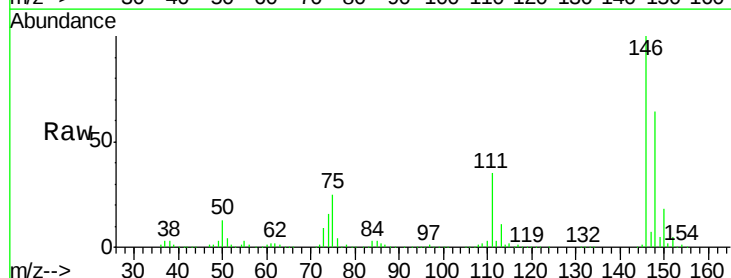
Manual Integrations
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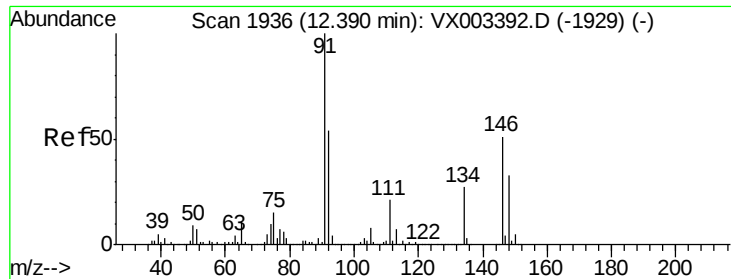
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#88
 1,4-Dichlorobenzene
 Concen: 20.82 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	63.5	32.4	97.0





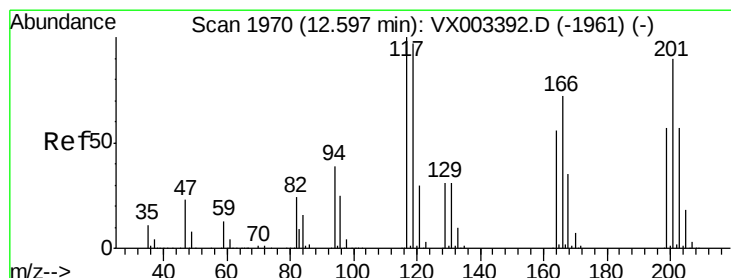
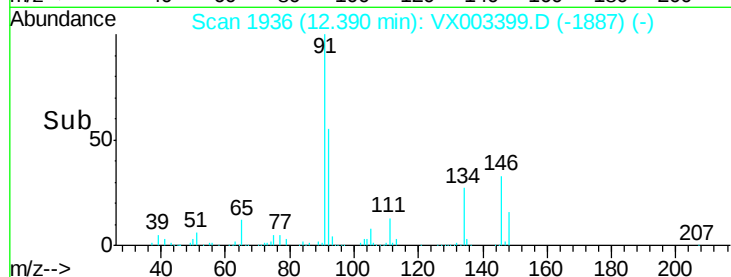
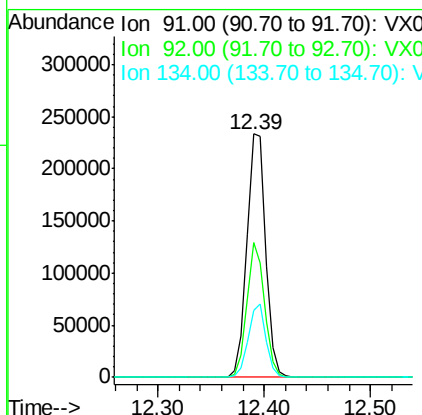
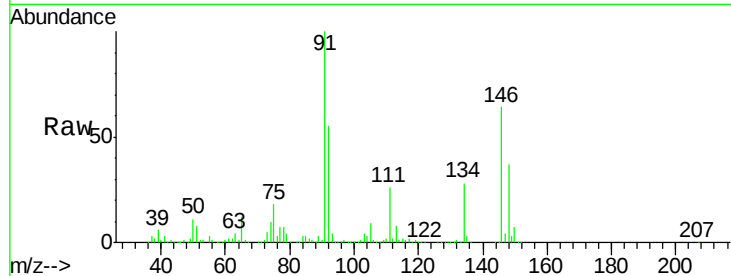
#89
n-Butylbenzene
Concen: 22.77 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	28.3	13.5	40.5

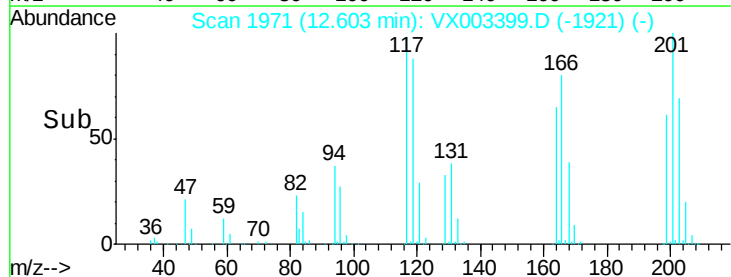
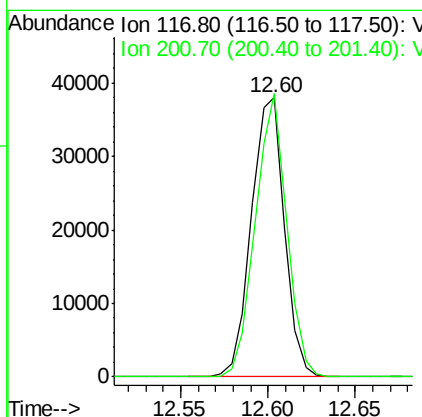
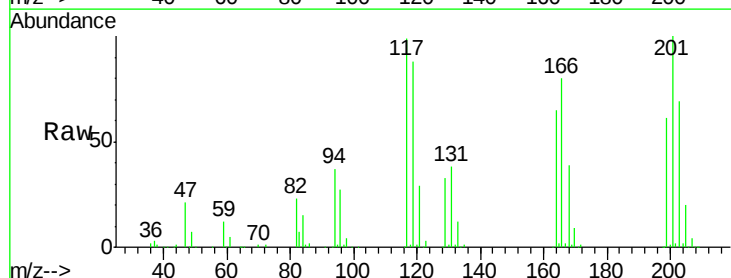
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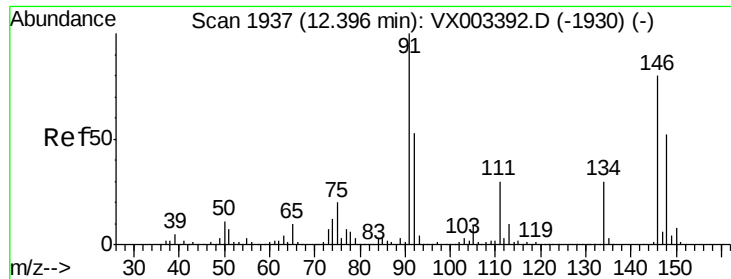
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#90
Hexachloroethane
Concen: 22.20 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	49.0	147.0





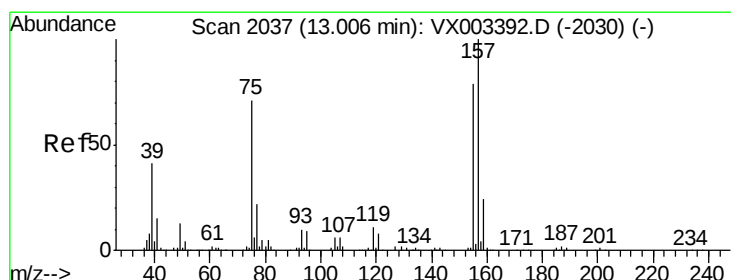
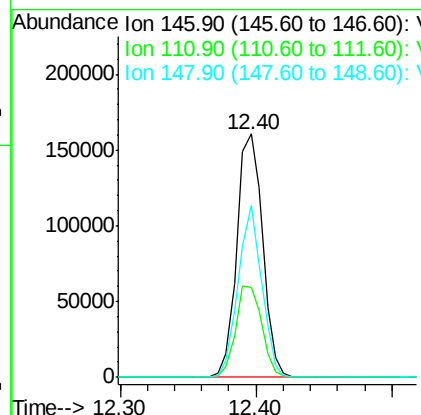
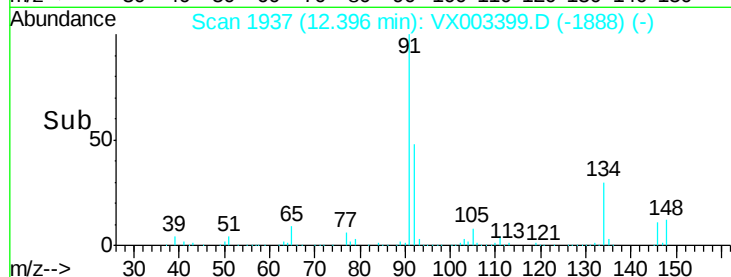
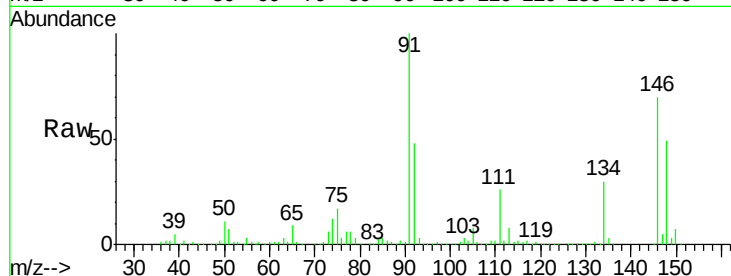
#91
 1,2-Dichlorobenzene
 Concen: 23.39 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	65.0	31.7	95.1

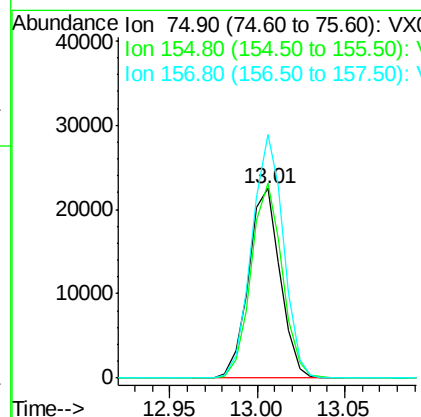
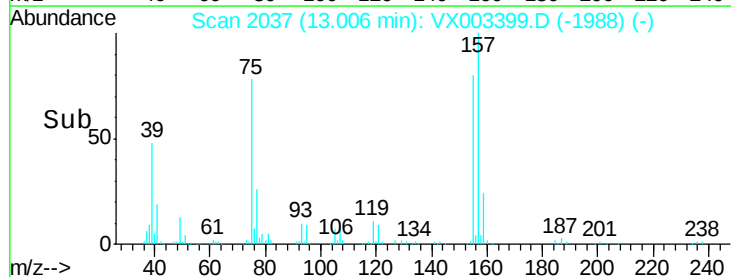
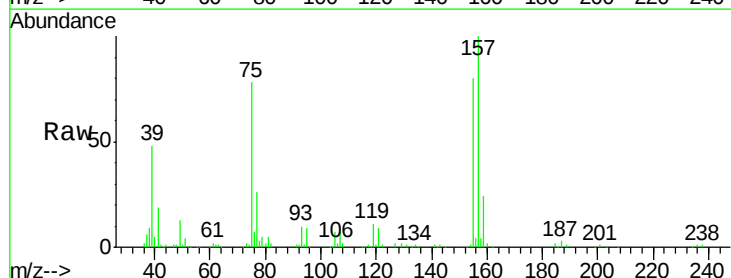
Manual Integrations
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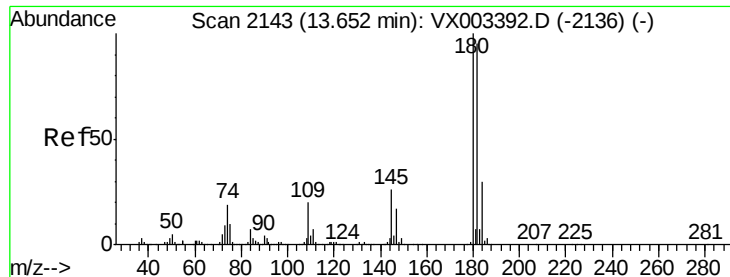
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.77 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	45.8	137.4
157	128.3	60.1	180.3





#93

1,2,4-Trichlorobenzene

Concen: 22.68 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

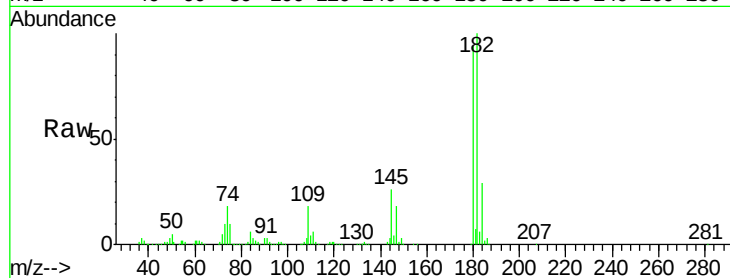
ClientSampleId :

VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140372		
182	101.3	47.7	143.1	
145	28.2	14.1	42.4	

Manual Integrations
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MMDadoda
7/17/2018 1:46:36 PM

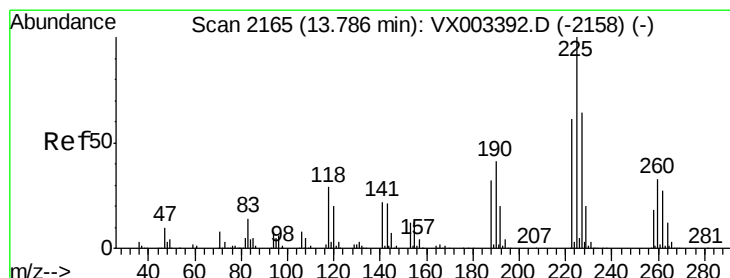
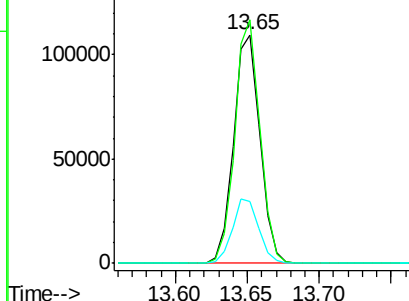
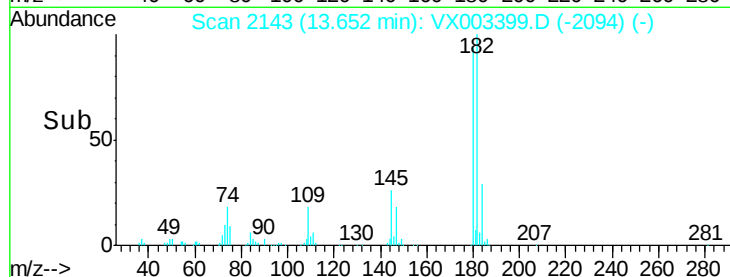


Abundance

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: 22.84 ug/l

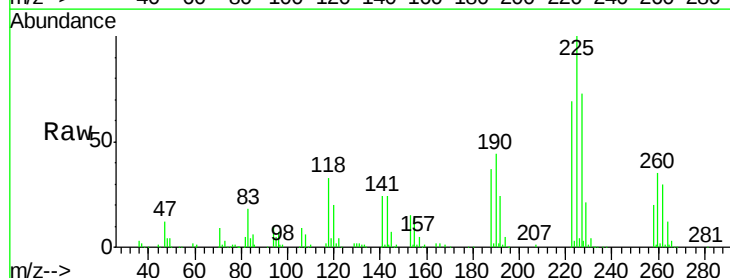
RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68058		
223	63.3	31.6	95.0	
227	62.9	32.4	97.2	

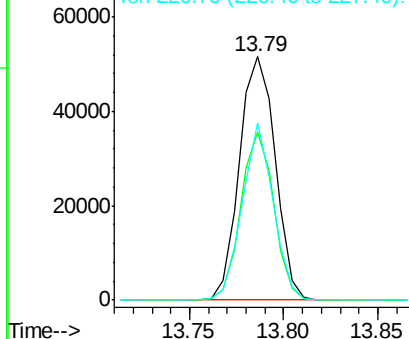
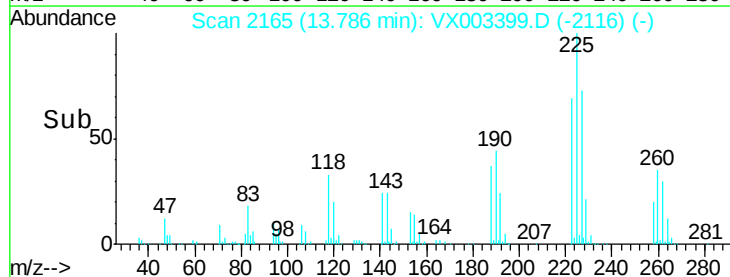


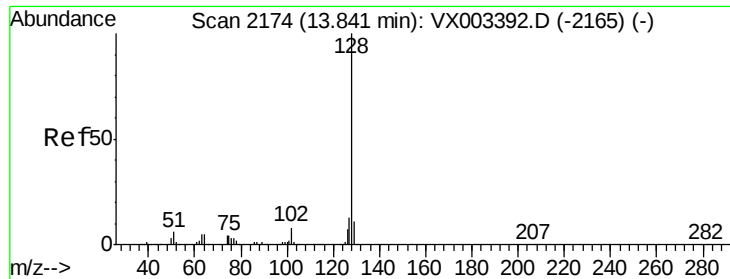
Abundance

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: 24.51 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

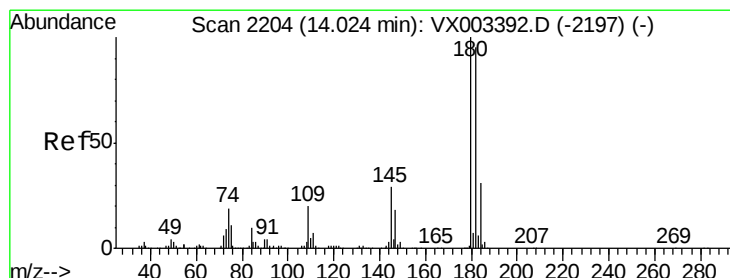
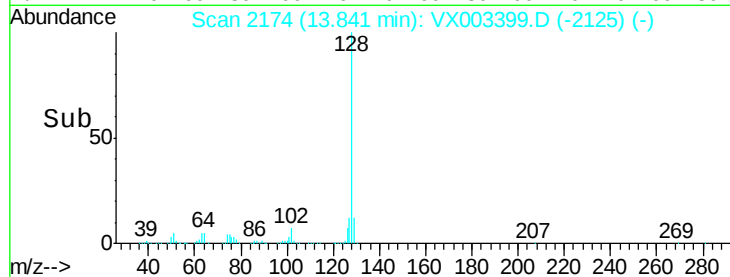
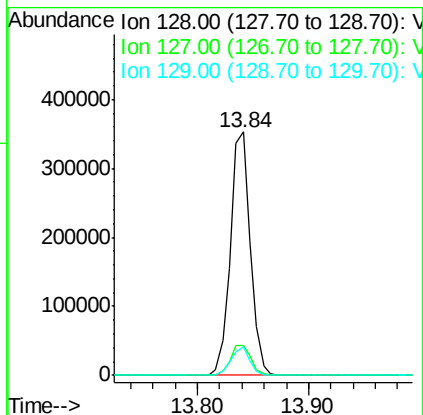
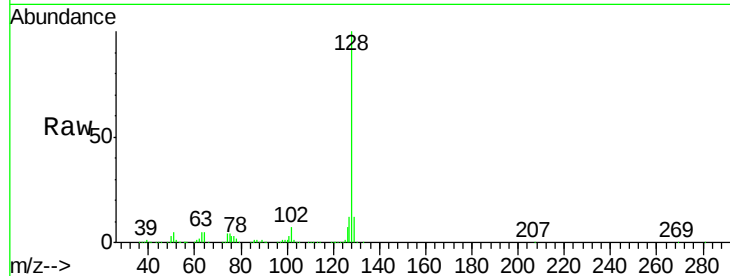
ClientSampleId :

VX0716WBS01

Tot Ion:	128	Resp:	434760
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 24.50 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion:	180	Resp:	155963
Ion Ratio	Lower	Upper	
180	100		
182	98.6	48.0	144.0
145	29.4	14.8	44.3

