

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071618\
 Data File : VX003394.D
 Acq On : 16 Jul 2018 12:42
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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 7/17/2018 1:46:33 PM

Quant Time: Jul 16 14:38:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 12:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	305510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	441102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	443535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	276551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	564191	155.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.06%	
35) Dibromofluoromethane	5.51	113	498092	153.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.84%	
50) Toluene-d8	8.72	98	1926805	166.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.82%	
62) 4-Bromofluorobenzene	11.14	95	741715	164.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	328.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	552141	202.55	ug/l	99
3) Chloromethane	1.32	50	542826	155.51	ug/l	98
4) Vinyl Chloride	1.40	62	615774	156.10	ug/l	99
7) Trichlorofluoromethane	1.91	101	772798	135.98	ug/l	98
8) Diethyl Ether	2.19	74	351262	139.57	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	510036	139.63	ug/l	97
10) Methyl Iodide	2.50	142	689621	185.90	ug/l	93
11) Tert butyl alcohol	3.11	59	736414	831.26	ug/l	99
12) 1,1-Dichloroethene	2.36	96	490264	144.54	ug/l	91
13) Acrolein	2.30	56	332053	945.65	ug/l	99
14) Allyl chloride	2.72	41	847500	130.27	ug/l #	86
15) Acrylonitrile	3.16	53	1603467	724.96	ug/l	98
16) Acetone	2.46	43	1275794	743.92	ug/l #	88
17) Carbon Disulfide	2.56	76	1360734	163.39	ug/l	99
18) Methyl Acetate	2.78	43	894286	167.94	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	1634062	134.73	ug/l	99
20) Methylene Chloride	2.85	84	546426	132.11	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	516453	142.69	ug/l	93
22) Diisopropyl ether	3.89	45	1675035	138.31	ug/l	93
23) Vinyl Acetate	3.84	43	7000113	707.38	ug/l	95
24) 1,1-Dichloroethane	3.70	63	964735	140.51	ug/l	99
25) 2-Butanone	4.73	43	2053498	772.53	ug/l	92
26) 2,2-Dichloropropane	4.58	77	637051	131.09	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	570448	143.38	ug/l	85
28) Bromochloromethane	5.03	49	382842	122.38	ug/l	89
29) Tetrahydrofuran	5.18	42	1298906	764.93	ug/l	92
30) Chloroform	5.22	83	884260	134.36	ug/l	99
31) Cyclohexane	5.57	56	769882	146.51	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	778830	142.05	ug/l	98
36) 1,1-Dichloropropene	5.80	75	665130	141.94	ug/l	99
37) Ethyl Acetate	4.89	43	753255	146.68	ug/l	95
38) Carbon Tetrachloride	5.78	117	694345	145.35	ug/l	99
39) Methylcyclohexane	7.46	83	794118	149.70	ug/l	94
40) Benzene	6.15	78	2022413	137.80	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 12:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.08	41	430018	146.17	ug/l	93
42) 1,2-Dichloroethane	6.21	62	687170	134.04	ug/l	96
43) Isopropyl Acetate	6.48	43	1211200	150.51	ug/l	94
44) Trichloroethene	7.22	130	584099	140.45	ug/l	99
45) 1,2-Dichloropropane	7.52	63	526749	135.30	ug/l	99
46) Dibromomethane	7.67	93	349274	139.53	ug/l	97
47) Bromodichloromethane	7.91	83	693941	147.04	ug/l	98
48) Methyl methacrylate	7.79	41	641676	156.23	ug/l	87
49) 1,4-Dioxane	7.77	88	281964	3145.84	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	4084213	776.41	ug/l	91
52) Toluene	8.79	92	1307099	140.54	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	840532	151.63	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	795076	157.01	ug/l #	90
55) 1,1,2-Trichloroethane	9.23	97	551236	142.00	ug/l	98
56) Ethyl methacrylate	9.19	69	865402	156.07	ug/l #	84
57) 1,3-Dichloropropane	9.38	76	891293	141.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	2073842	769.66	ug/l	98
59) 2-Hexanone	9.51	43	3217327	829.22	ug/l	88
60) Dibromochloromethane	9.59	129	608771	161.55	ug/l	100
61) 1,2-Dibromoethane	9.68	107	584883	149.42	ug/l	100
64) Tetrachloroethene	9.34	164	649718	135.26	ug/l	98
65) Chlorobenzene	10.15	112	1543260	135.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	576569	143.17	ug/l	99
67) Ethyl Benzene	10.26	91	2603324	140.46	ug/l	100
68) m/p-Xylenes	10.37	106	2065158	289.25	ug/l	94
69) o-Xylene	10.70	106	1002564	143.77	ug/l	96
70) Styrene	10.72	104	1664960	142.07	ug/l	97
71) Bromoform	10.87	173	510845	165.70	ug/l	100
73) Isopropylbenzene	11.02	105	2623469	137.19	ug/l	99
74) N-amyl acetate	6.48	43	1211200	136.65	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	855976	137.12	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	696615m	127.50	ug/l	
77) Bromobenzene	11.26	156	732719	135.61	ug/l	98
78) n-propylbenzene	11.37	91	3003405	138.96	ug/l	99
79) 2-Chlorotoluene	11.43	91	1792691	134.28	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2245111	141.67	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	266608	162.69	ug/l	86
82) 4-Chlorotoluene	11.52	91	2132755	137.12	ug/l	98
83) tert-Butylbenzene	11.77	119	2226232	141.89	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2308849	143.62	ug/l	98
85) sec-Butylbenzene	11.95	105	2676129	142.71	ug/l	99
86) p-Isopropyltoluene	12.07	119	2411944	143.77	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	1353823	134.20	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1362271	133.00	ug/l	99
89) n-Butylbenzene	12.39	91	2091626	145.70	ug/l	98
90) Hexachloroethane	12.60	117	392660	156.14	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1360144	134.72	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	199630	161.27	ug/l	91
93) 1,2,4-Trichlorobenzene	13.65	180	1003334	145.27	ug/l	100
94) Hexachlorobutadiene	13.79	225	460491	141.30	ug/l	99

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ClientSampleId :
VSTDICC150

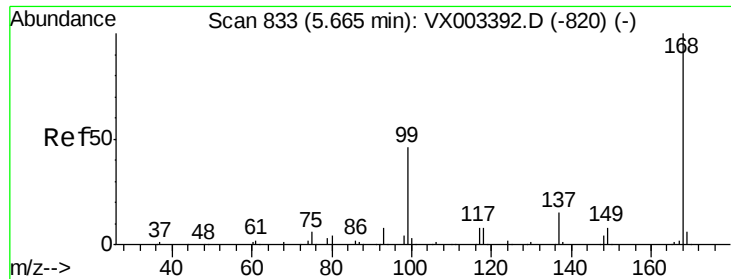
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 12:43:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.84	128	2989219	154.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1001222	143.64	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 305510

Ion Ratio Lower Upper

168 100

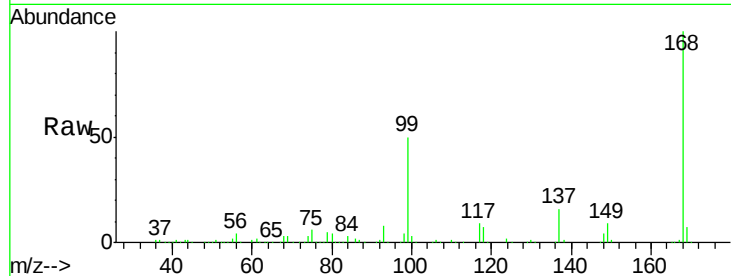
99 49.5 39.3 58.9

Manual Integrations

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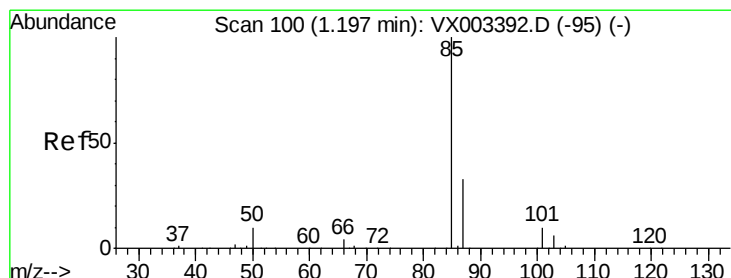
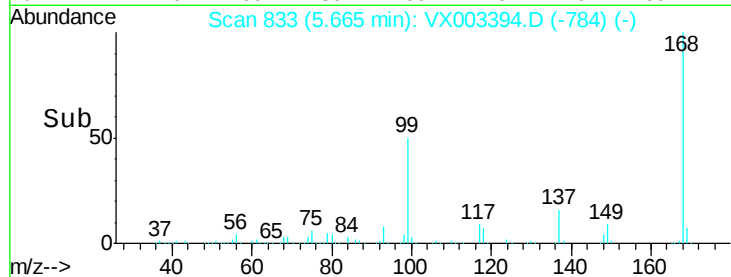
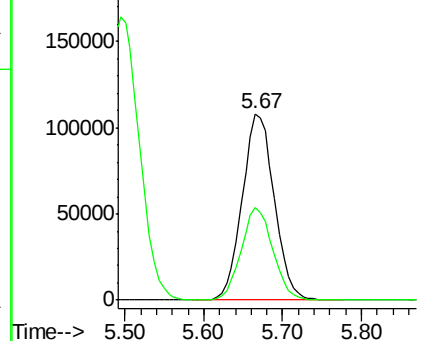
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 202.55 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003394.D

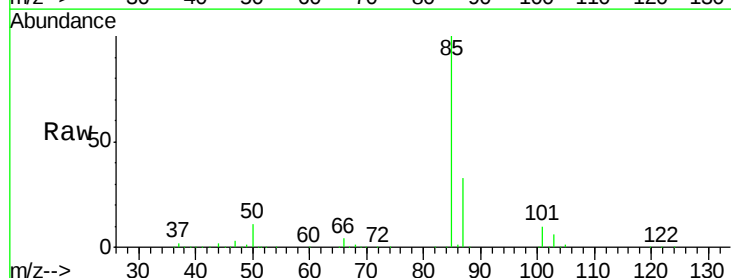
Acq: 16 Jul 2018 12:42

Tgt Ion: 85 Resp: 552141

Ion Ratio Lower Upper

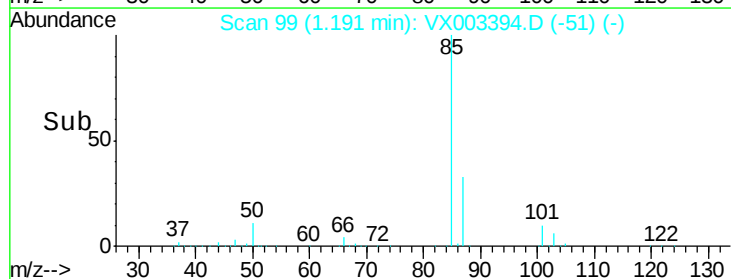
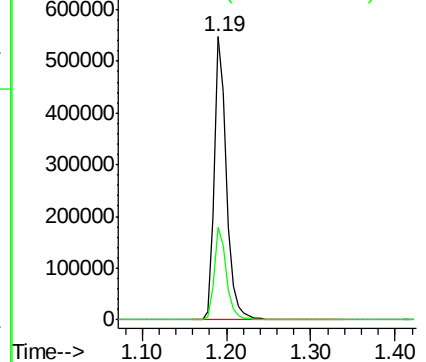
85 100

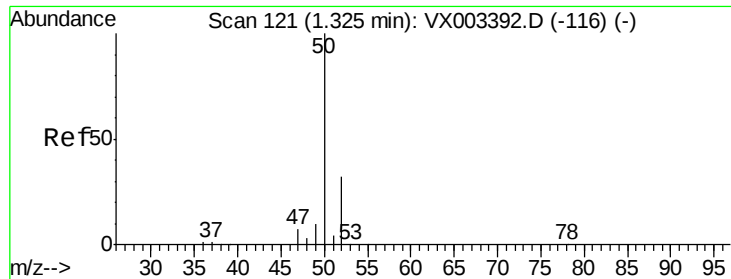
87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 155.51 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 542826

Ion Ratio Lower Upper

50 100

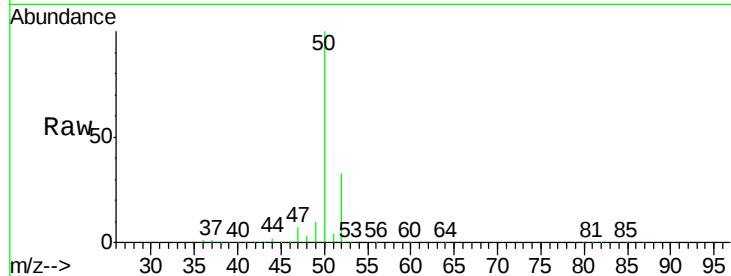
52 33.1 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

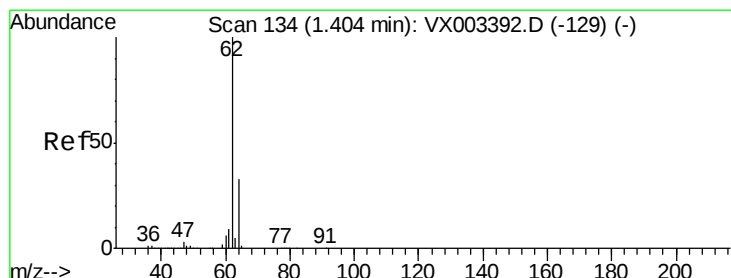
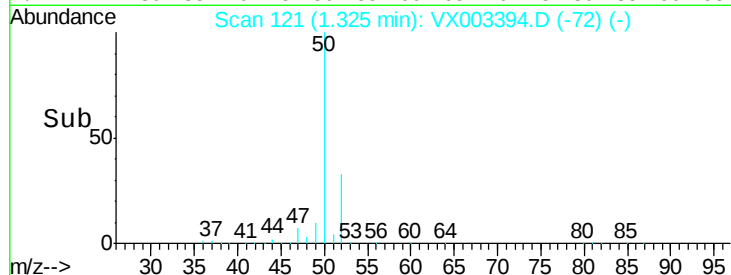
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 156.10 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003394.D

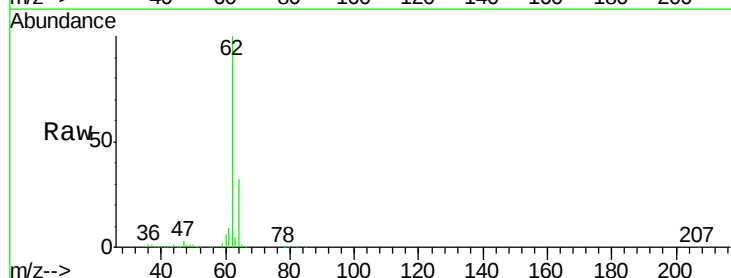
Acq: 16 Jul 2018 12:42

Tgt Ion: 62 Resp: 615774

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

600000

500000

400000

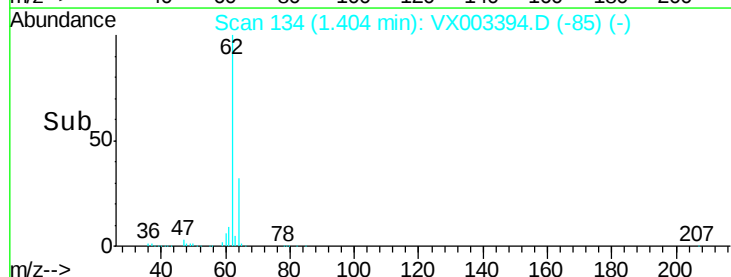
300000

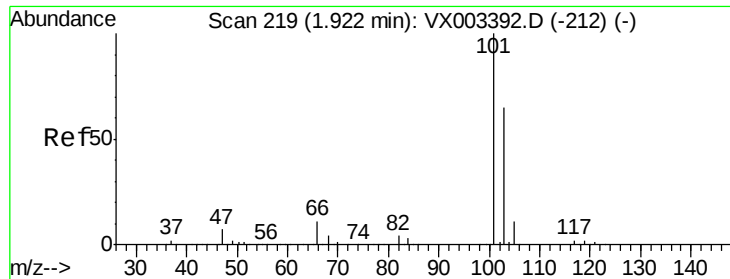
200000

100000

0

Time--> 1.30 1.40 1.50





#7

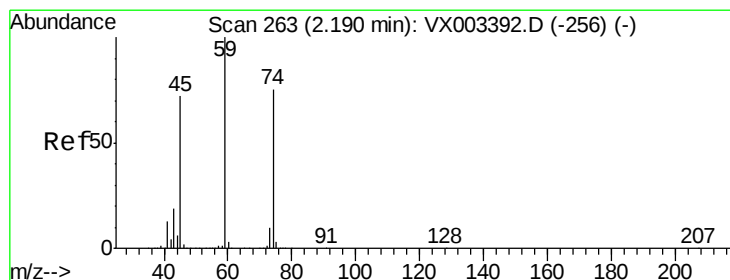
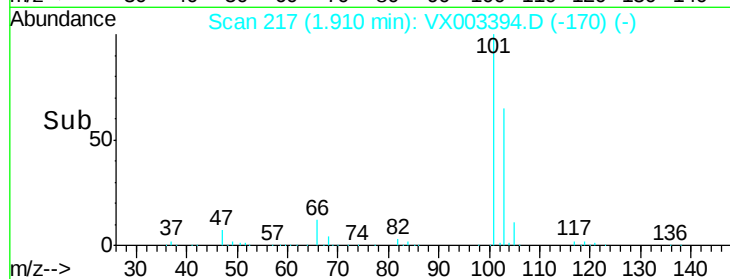
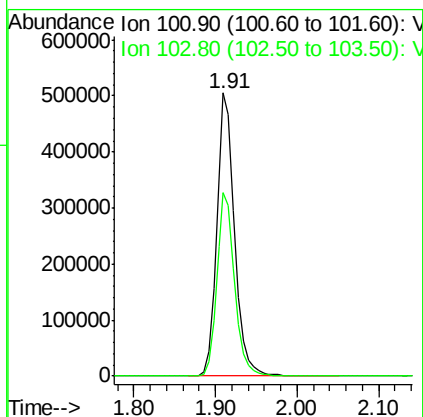
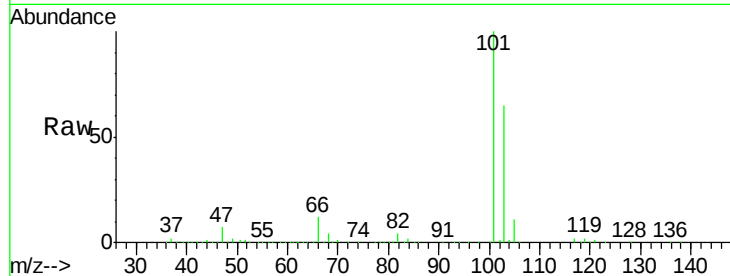
Trichlorofluoromethane
Concen: 135.98 ug/l
RT: 1.91 min Scan# 217
Delta R.T. -0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.8	79.2

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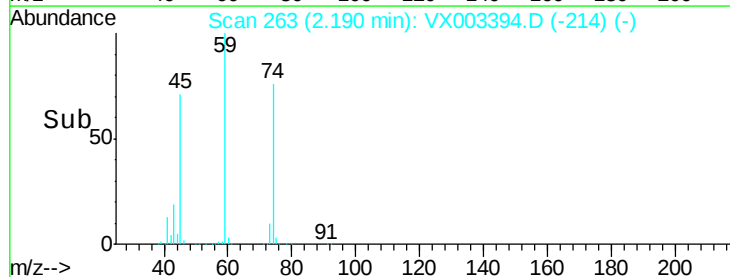
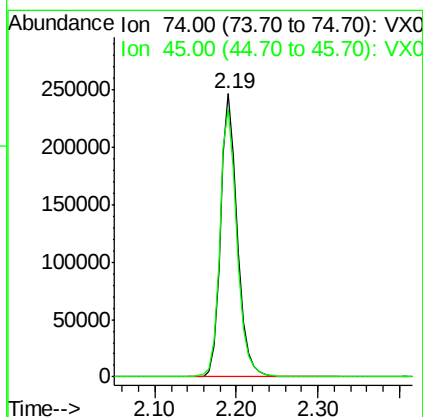
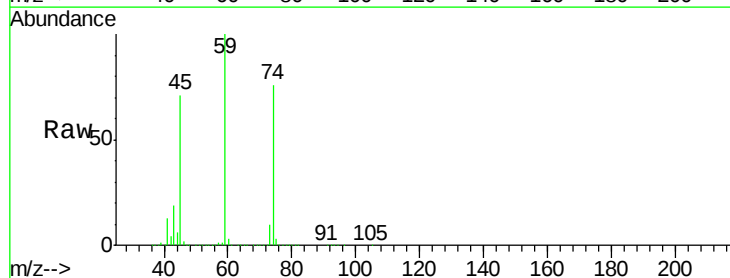
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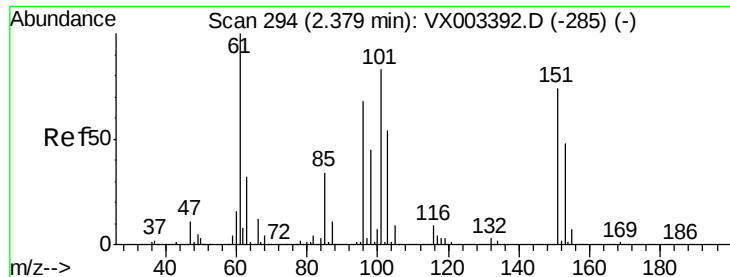


#8

Diethyl Ether
Concen: 139.57 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.63 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

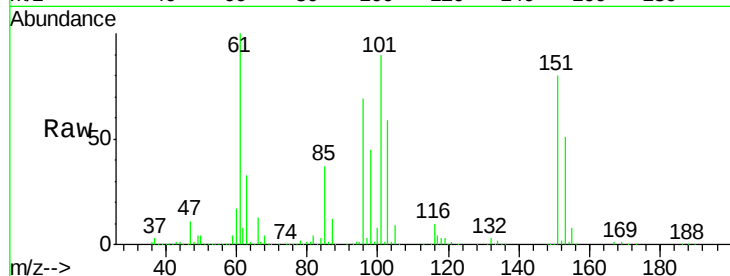
ClientSampleId :

VSTDIC150

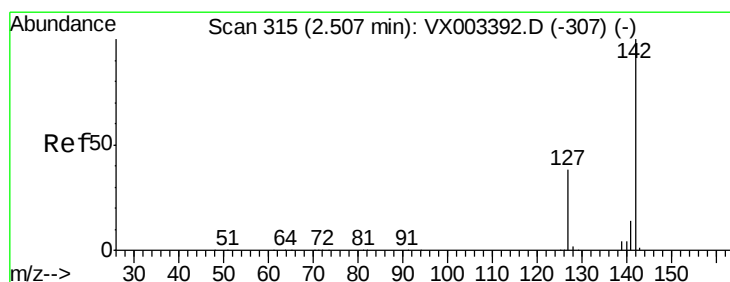
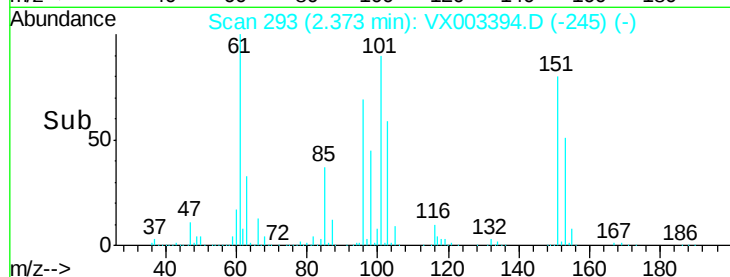
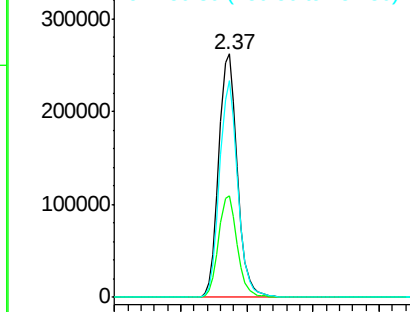
Tot Ion:	101	Resp:	510036
Ion Ratio	Lower	Upper	
101	100		
85	41.8	36.0	54.0
151	87.1	70.9	106.3

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



#10

Methyl Iodide

Concen: 185.90 ug/l

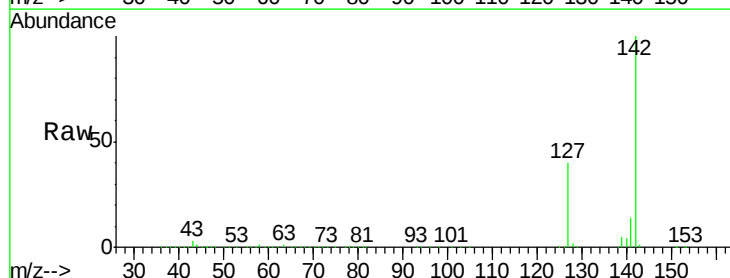
RT: 2.50 min Scan# 314

Delta R.T. -0.01 min

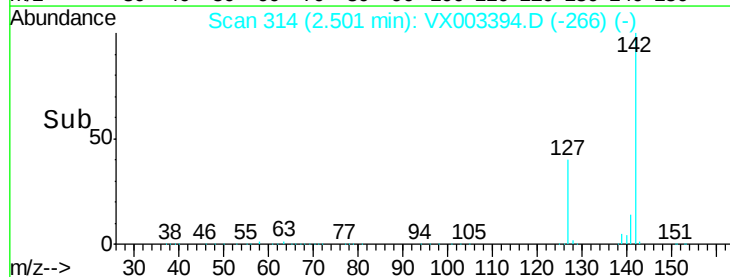
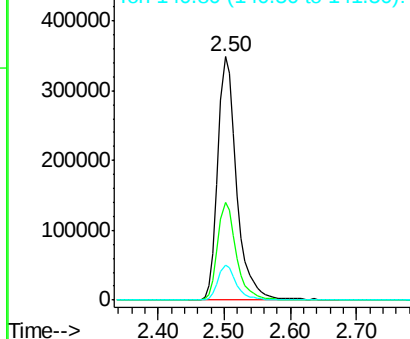
Lab File: VX003394.D

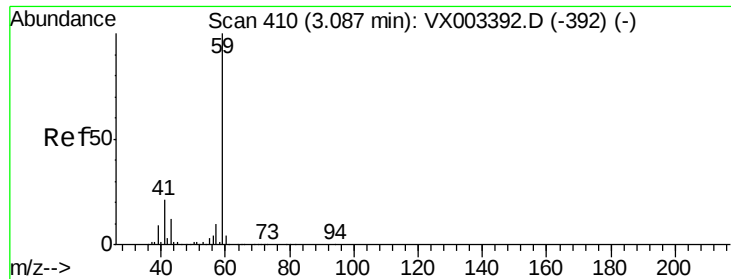
Acq: 16 Jul 2018 12:42

Tgt Ion:	142	Resp:	689621
Ion Ratio	Lower	Upper	
142	100		
127	40.0	36.6	55.0
141	14.1	11.3	16.9



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





#11

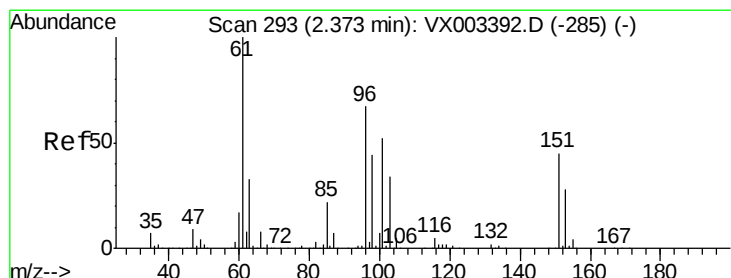
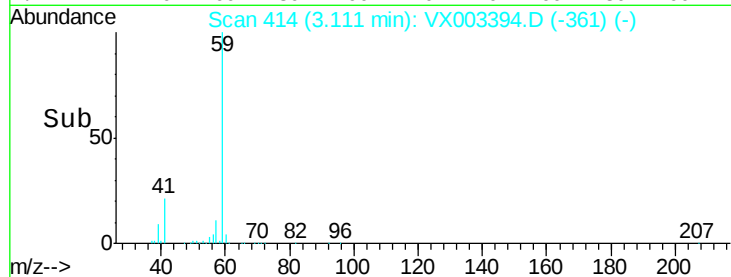
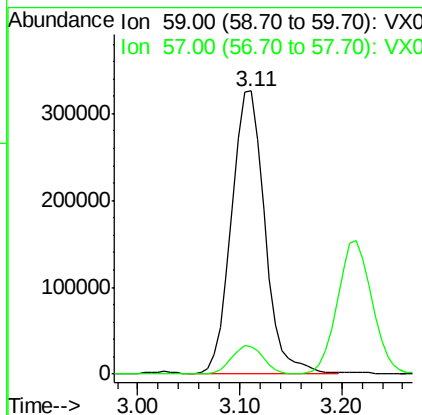
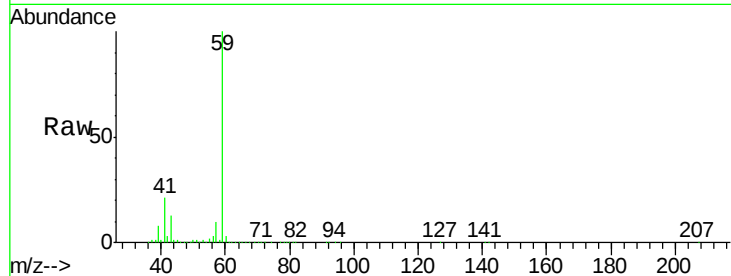
Tert butyl alcohol
Concen: 831.26 ug/l
RT: 3.11 min Scan# 414
Delta R.T. 0.02 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

Manual Integrations
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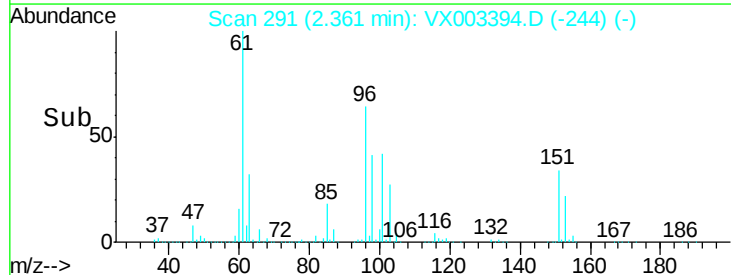
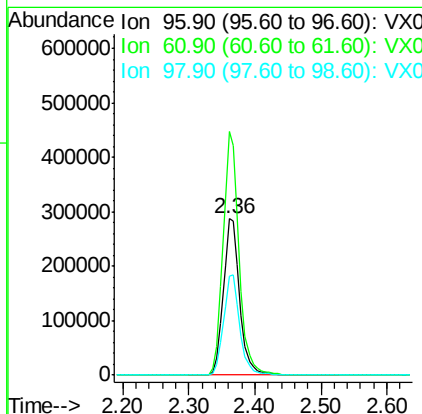
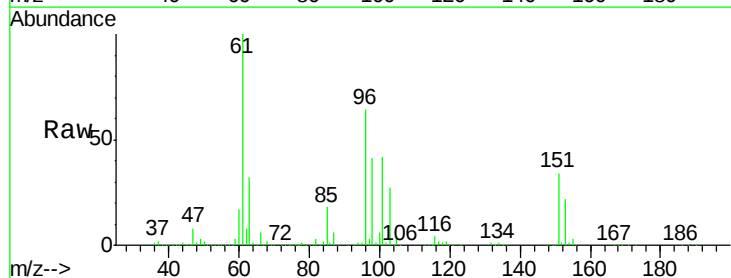
MMDadoda
7/17/2018 1:46:33 PM

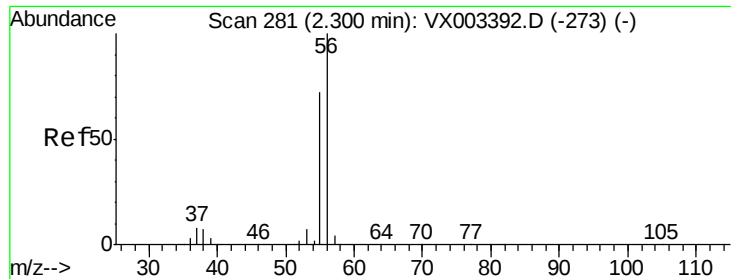


#12

1,1-Dichloroethene
Concen: 144.54 ug/l
RT: 2.36 min Scan# 291
Delta R.T. -0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	137.9	206.9
98	63.5	51.6	77.4





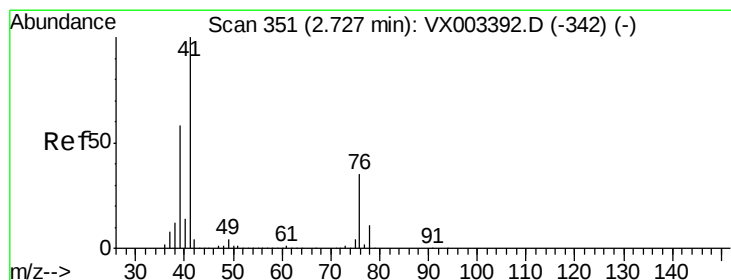
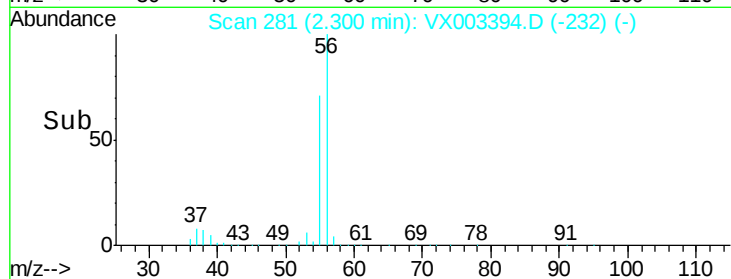
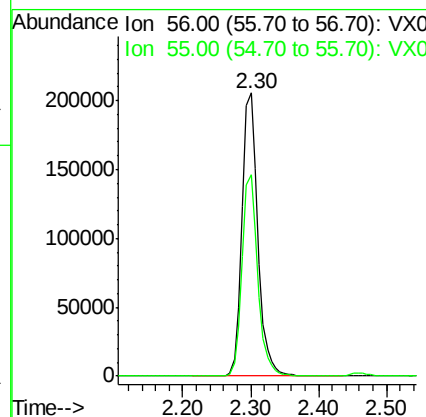
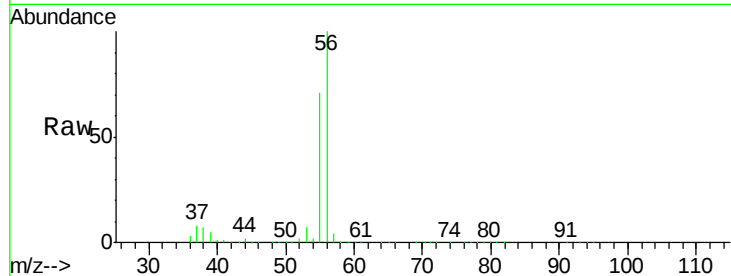
#13
Acrolein
Concen: 945.65 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.0	85.4

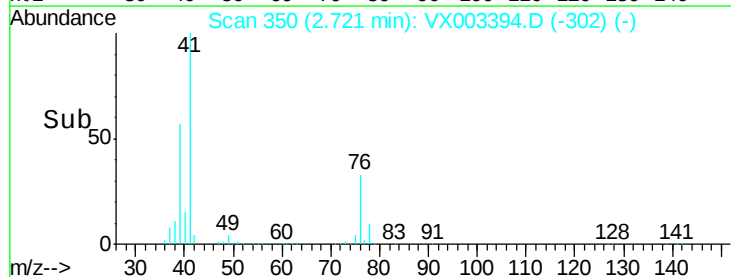
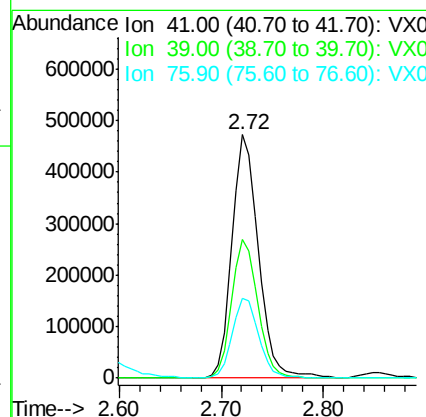
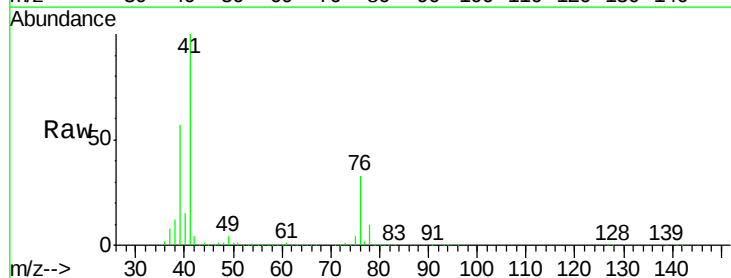
Manual Integrations
APPROVED

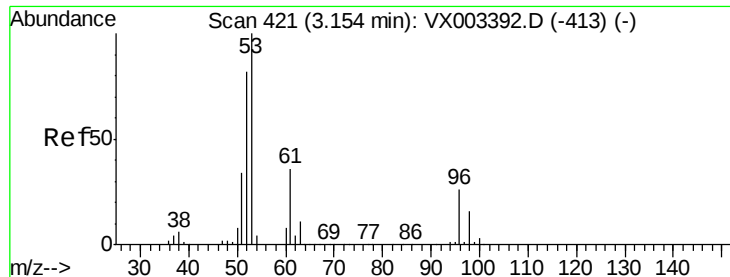
MMDadoda
7/17/2018 1:46:33 PM



#14
Allyl chloride
Concen: 130.27 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.3	56.8	85.2#
76	32.8	23.8	35.8





#15

Acrylonitrile

Concen: 724.96 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1603467

Ion Ratio Lower Upper

53 100

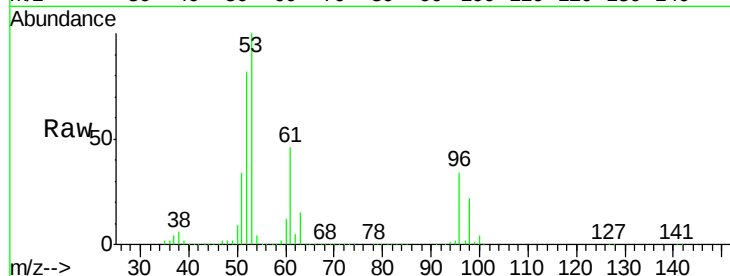
52 81.9 66.7 100.1

51 35.2 29.9 44.9

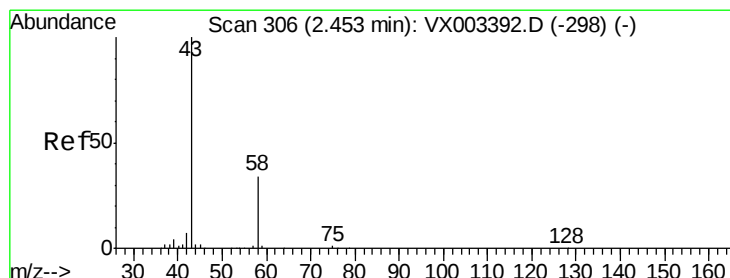
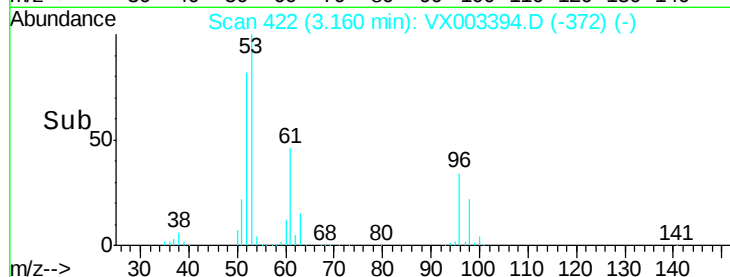
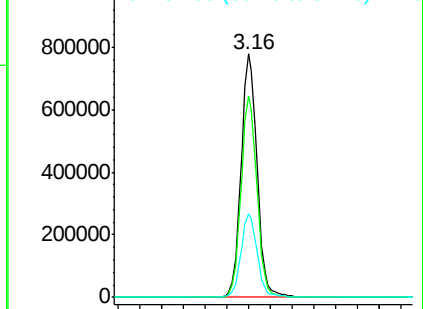
Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 743.92 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX003394.D

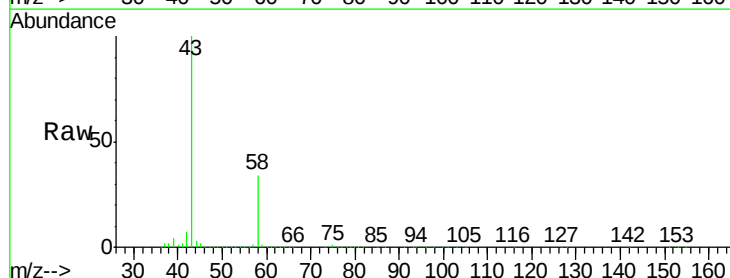
Acq: 16 Jul 2018 12:42

Tgt Ion: 43 Resp: 1275794

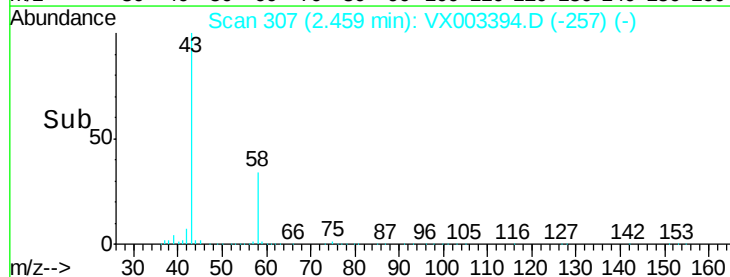
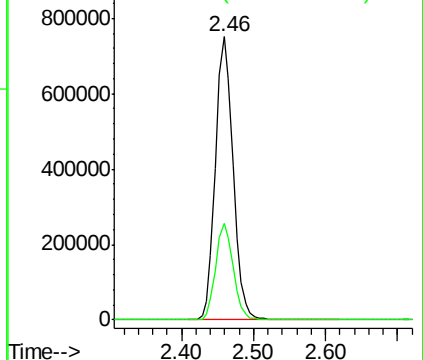
Ion Ratio Lower Upper

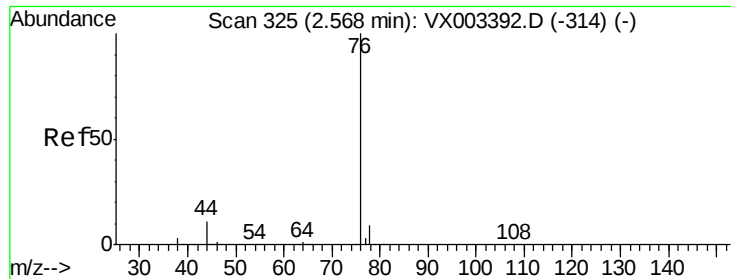
43 100

58 34.1 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 163.39 ug/l

RT: 2.56 min Scan# 323

Delta R.T. -0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1360734

Ion Ratio Lower Upper

76 100

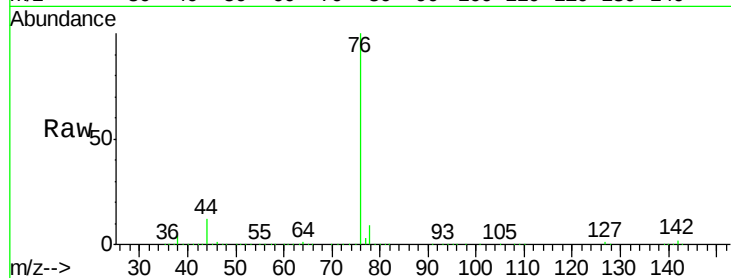
78 9.1 6.9 10.3

Manual Integrations

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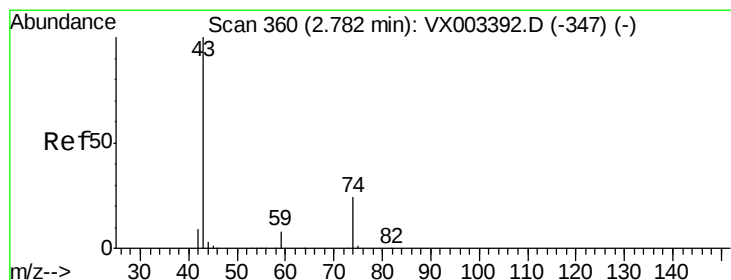
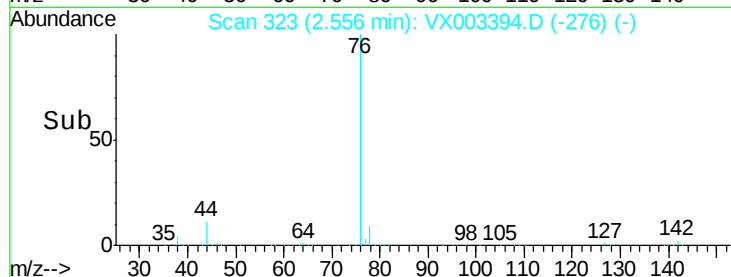
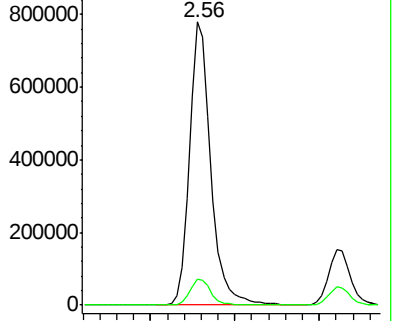
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 167.94 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003394.D

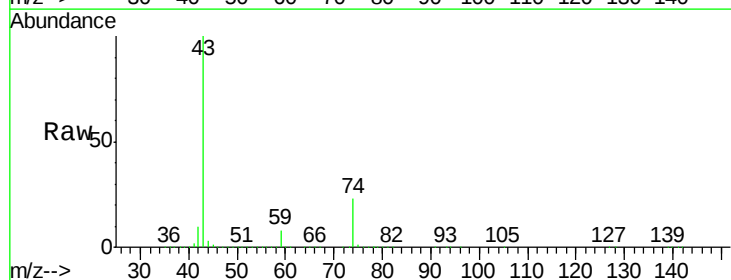
Acq: 16 Jul 2018 12:42

Tgt Ion: 43 Resp: 894286

Ion Ratio Lower Upper

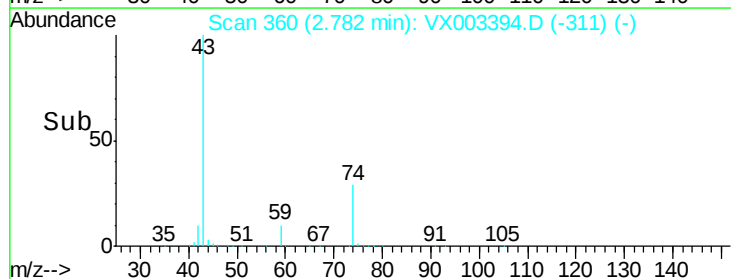
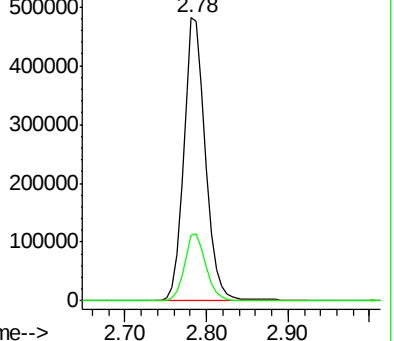
43 100

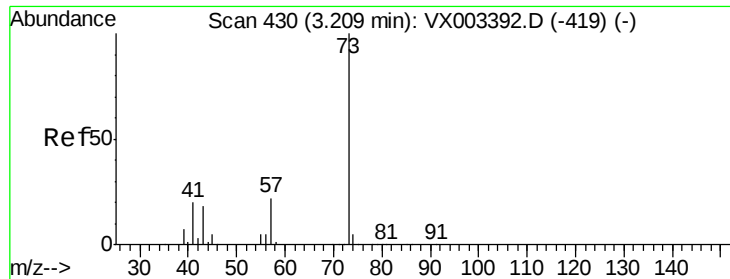
74 23.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





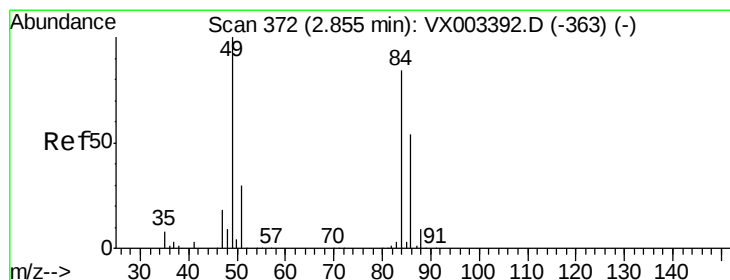
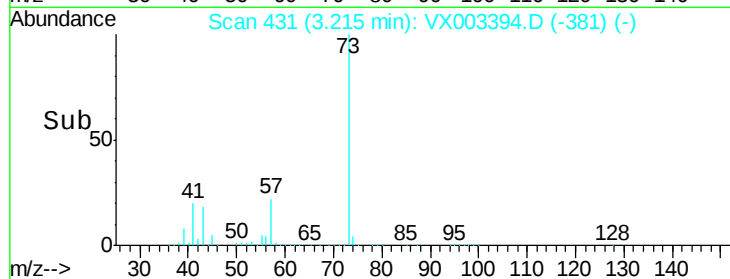
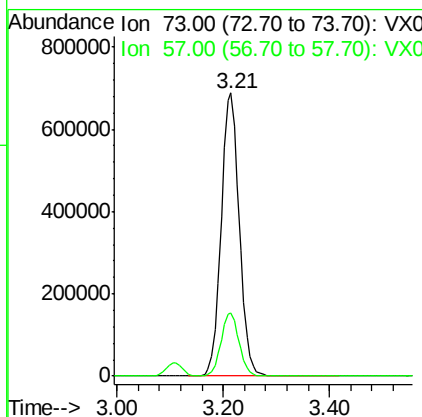
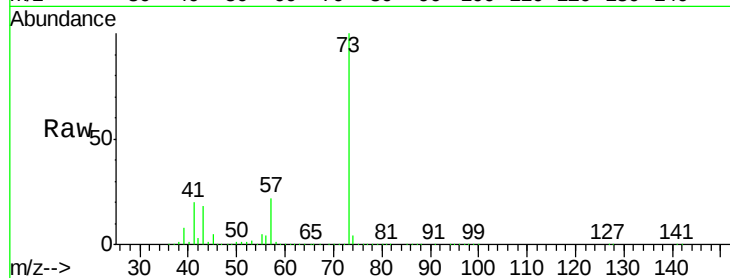
#19
Methyl tert-butyl Ether
Concen: 134.73 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1634062
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

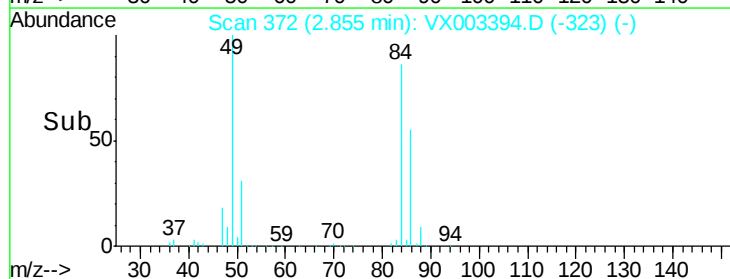
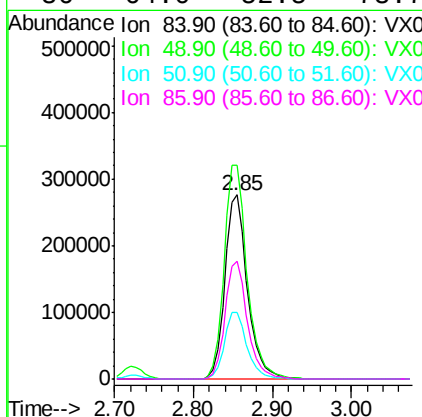
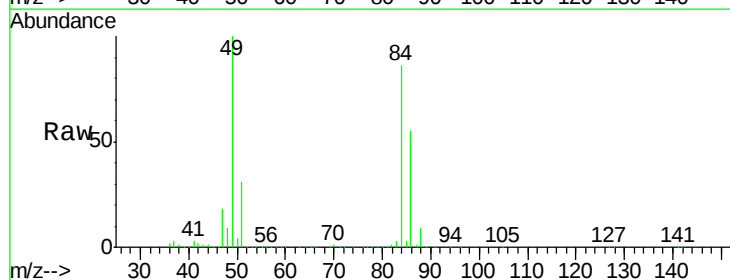
Manual Integrations
APPROVED

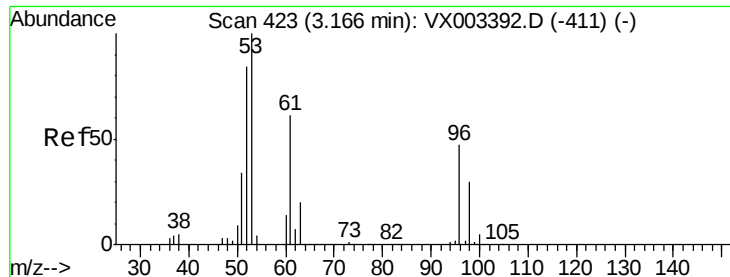
MMDadoda
7/17/2018 1:46:33 PM



#20
Methylene Chloride
Concen: 132.11 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion: 84 Resp: 546426
Ion Ratio Lower Upper
84 100
49 116.2 107.8 161.6
51 36.3 32.8 49.2
86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 142.69 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

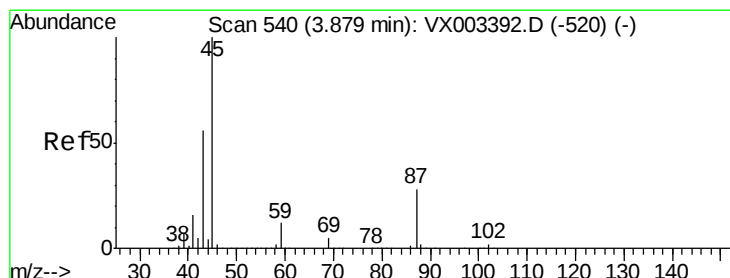
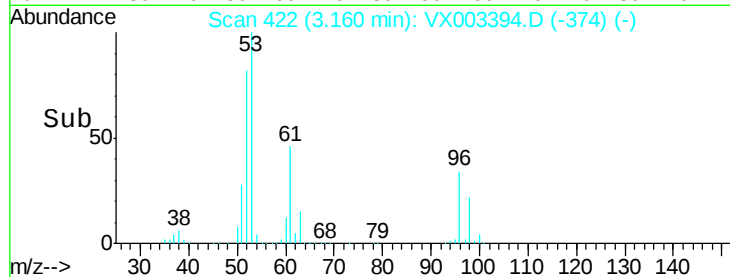
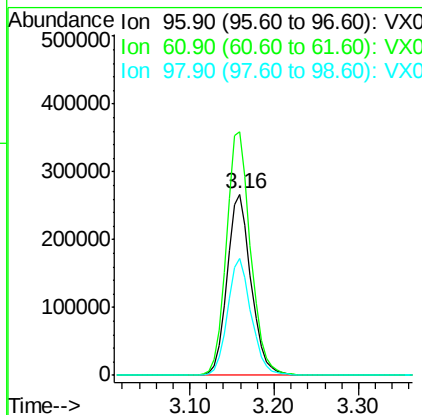
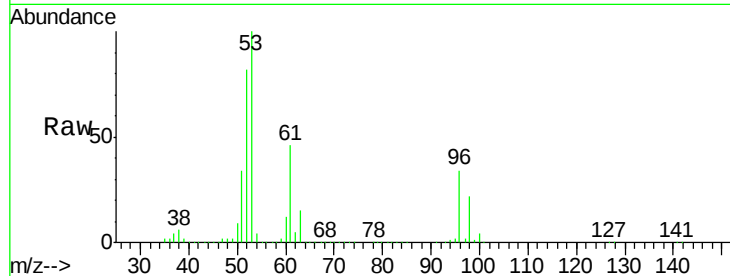
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	516453
Ion	Ratio	Lower	Upper
96	100		
61	134.4	117.0	175.4
98	64.5	52.4	78.6

Manual Integrations
APPROVED

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#22

Diisopropyl ether

Concen: 138.31 ug/l

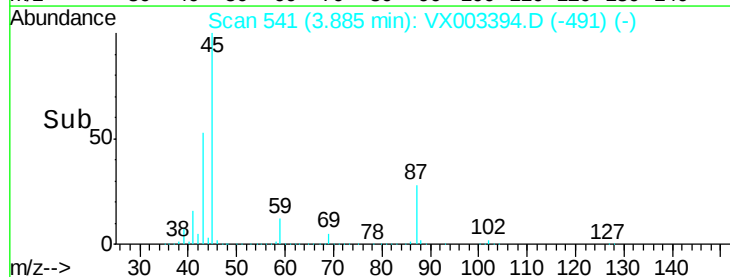
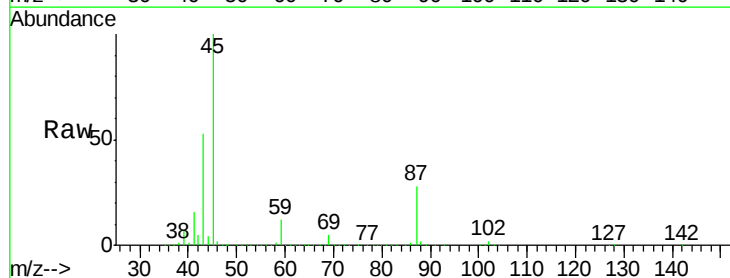
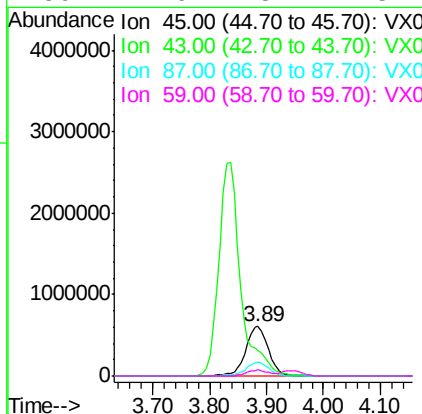
RT: 3.89 min Scan# 541

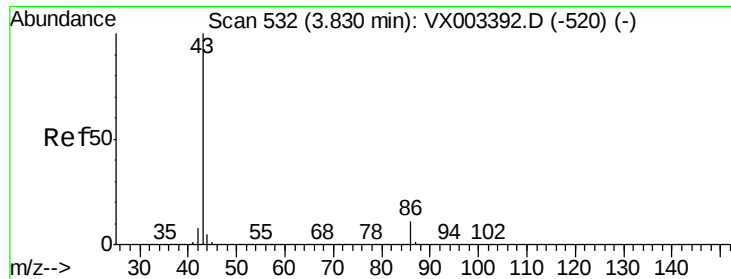
Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Tgt Ion:	45	Resp:	1675035
Ion	Ratio	Lower	Upper
45	100		
43	52.8	46.8	70.2
87	28.5	20.2	30.4
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 707.38 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7000113

Ion Ratio Lower Upper

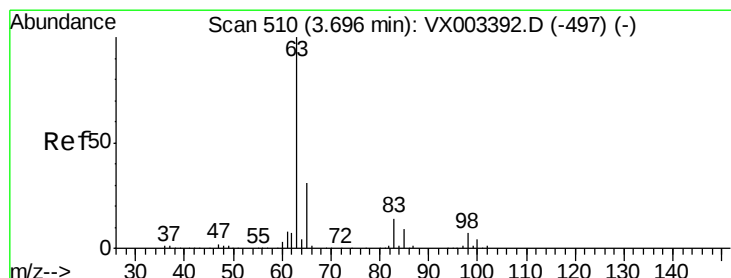
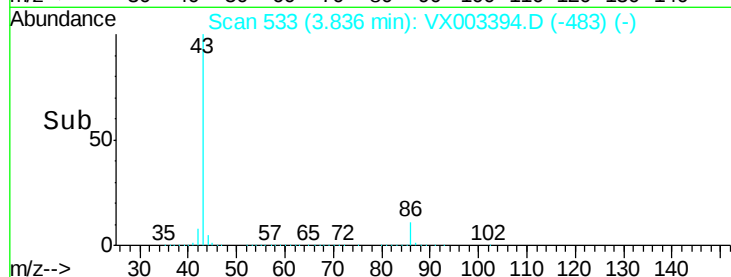
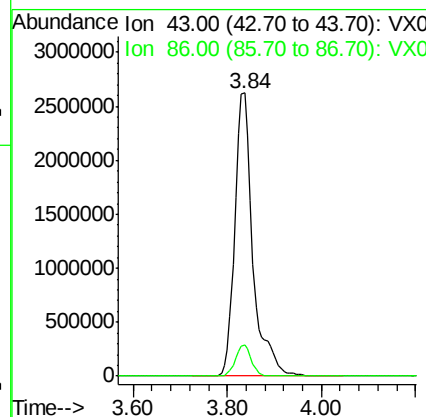
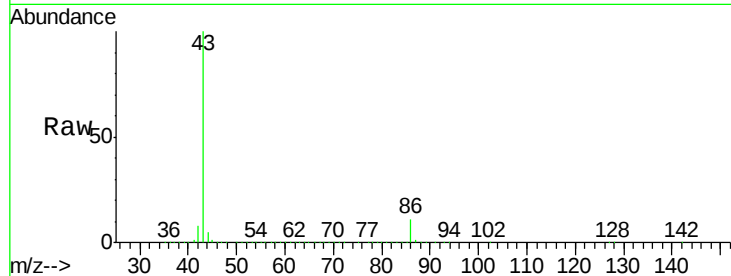
43 100

86 11.0 7.4 11.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 140.51 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

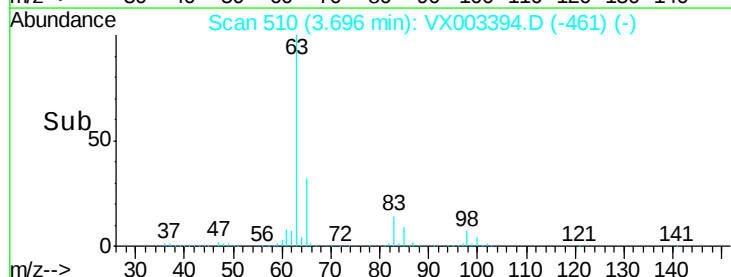
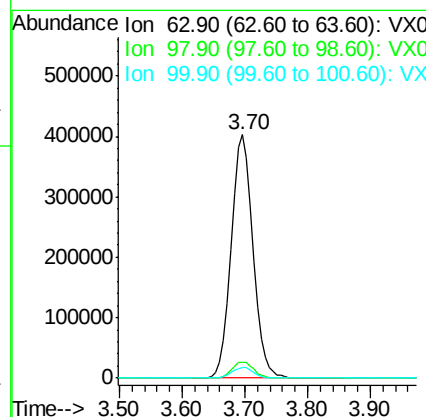
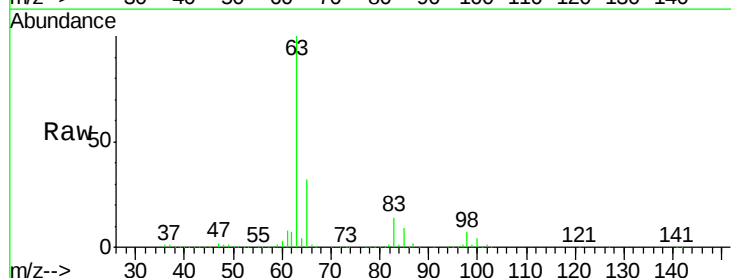
Tgt Ion: 63 Resp: 964735

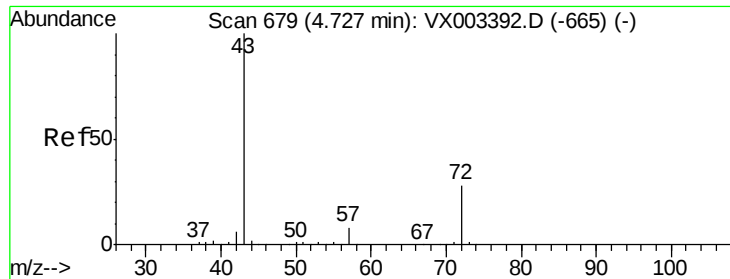
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 772.53 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2053498

Ion Ratio Lower Upper

43 100

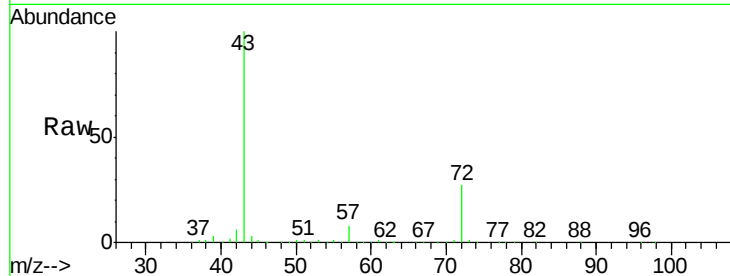
72 27.0 18.5 27.7

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

4.73

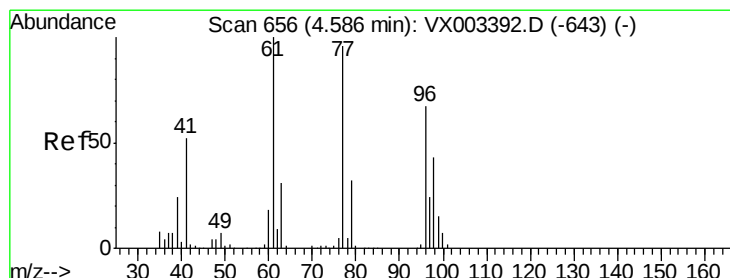
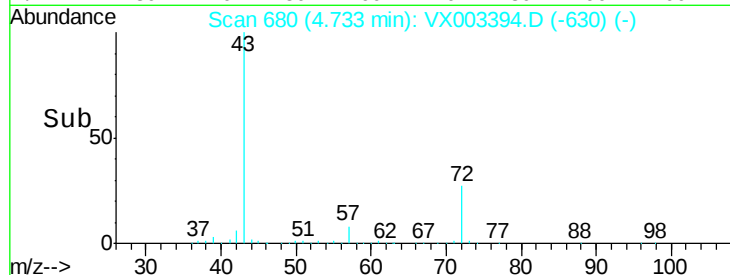
600000

400000

200000

0

Time-->



#26

2,2-Dichloropropane

Concen: 131.09 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003394.D

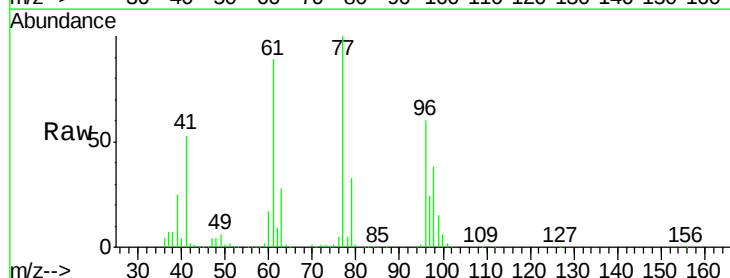
Acq: 16 Jul 2018 12:42

Tgt Ion: 77 Resp: 637051

Ion Ratio Lower Upper

77 100

97 24.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

200000

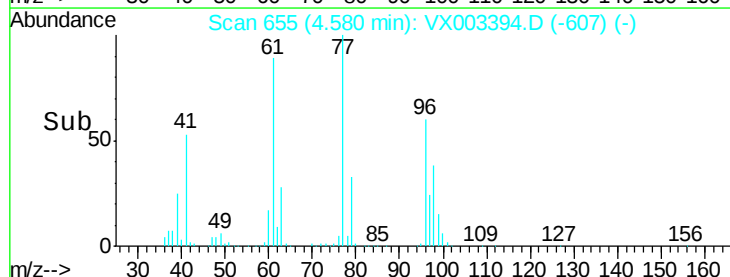
150000

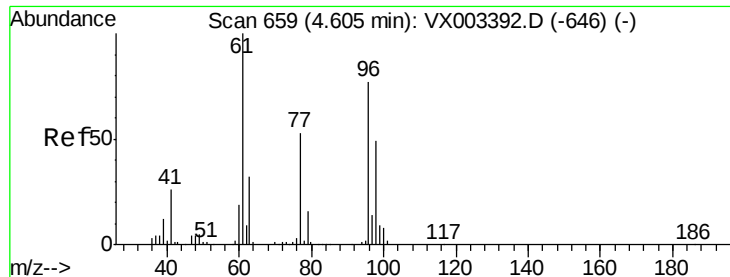
100000

50000

0

Time-->





#27

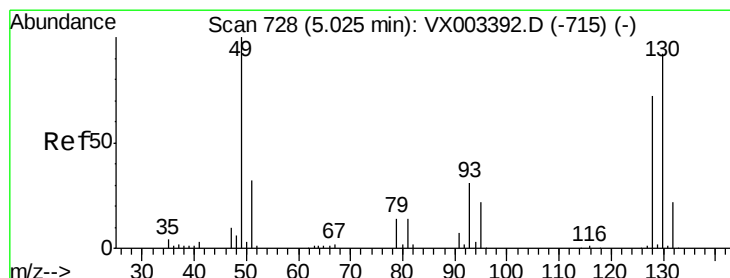
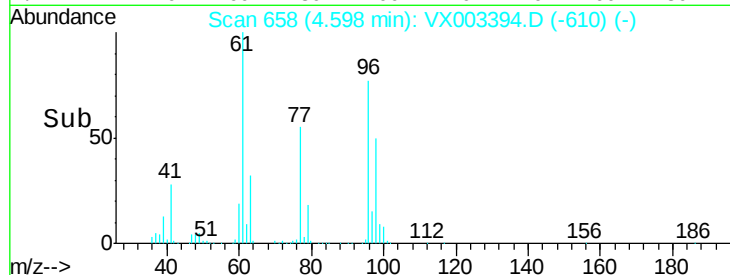
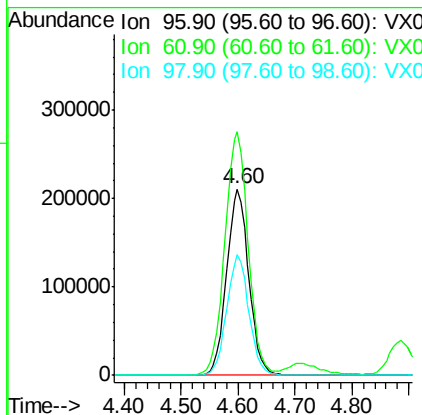
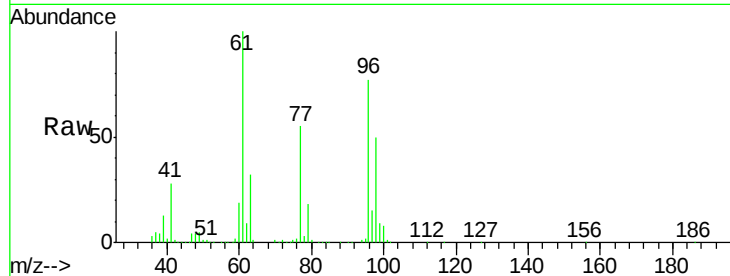
cis-1,2-Dichloroethene
Concen: 143.38 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	570448		
61	137.8	0.0	330.2	
98	64.7	0.0	130.2	

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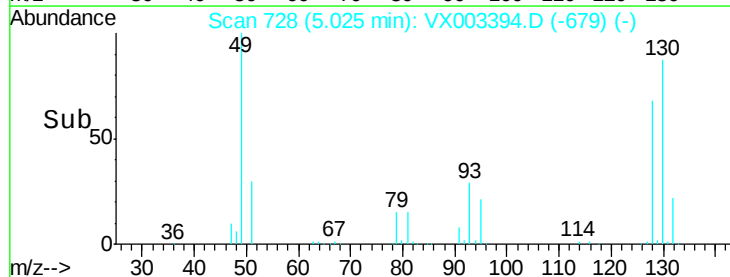
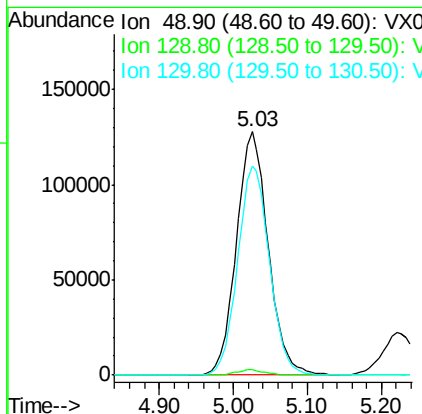
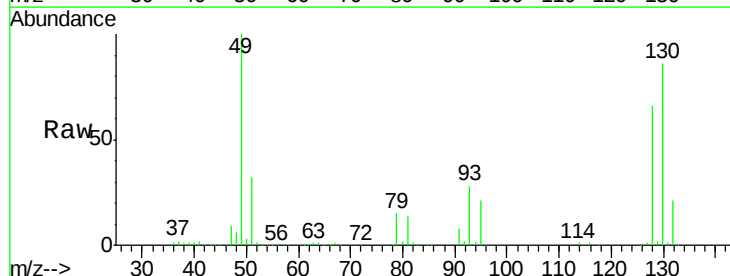
MMDadoda
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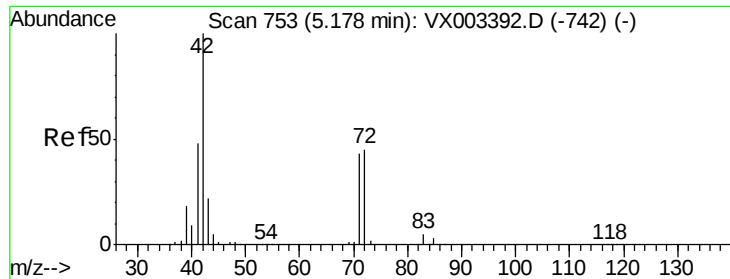


#28

Bromochloromethane
Concen: 122.38 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	382842		
129	2.1	0.0	4.2	
130	86.0	61.2	91.8	





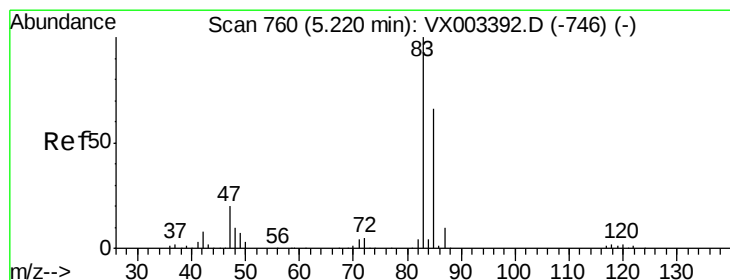
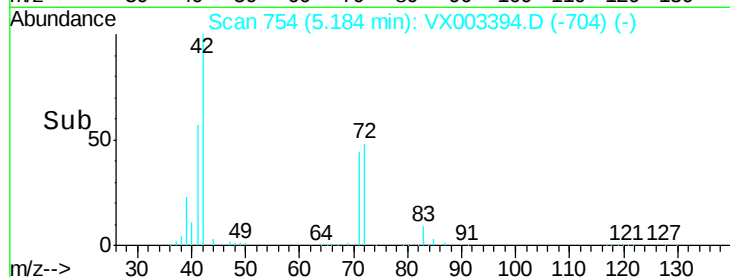
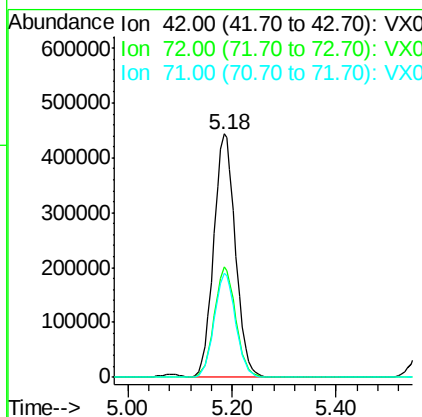
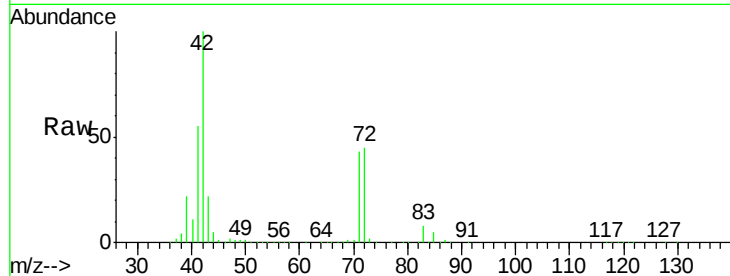
#29
Tetrahydrofuran
Concen: 764.93 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.0	48.0
71	42.2	30.1	45.1

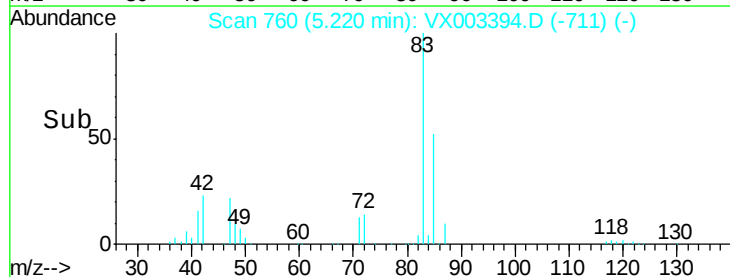
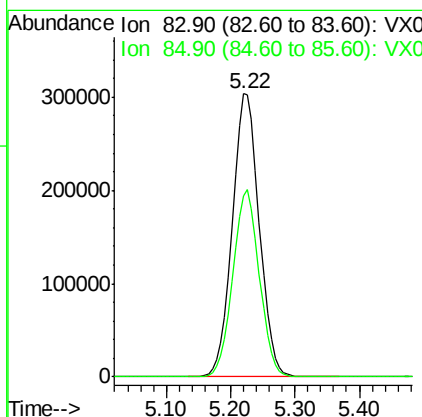
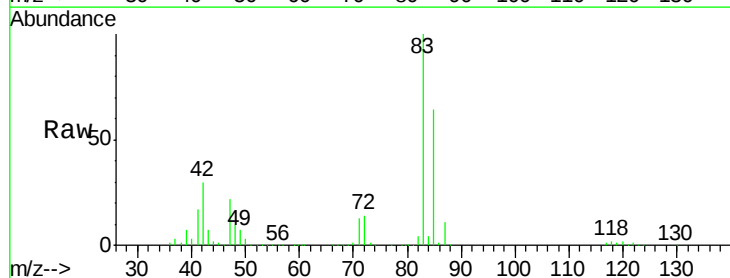
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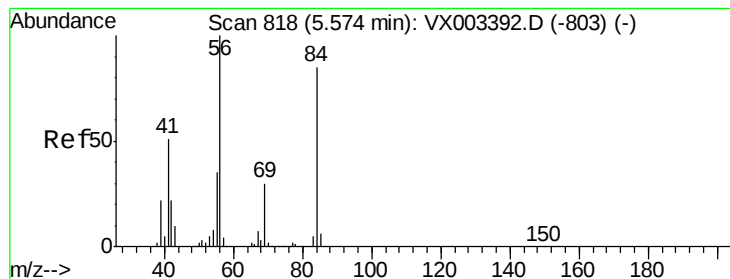
MMDadoda
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#30
Chloroform
Concen: 134.36 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.4	75.6





#31

Cyclohexane

Concen: 146.51 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

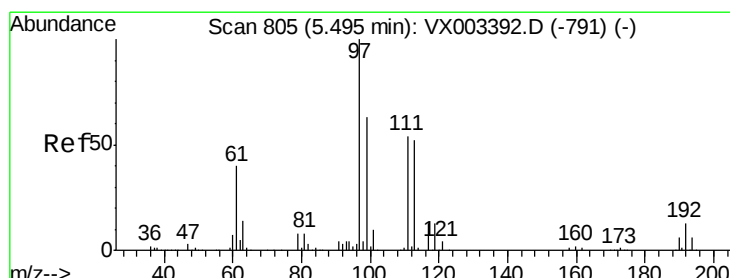
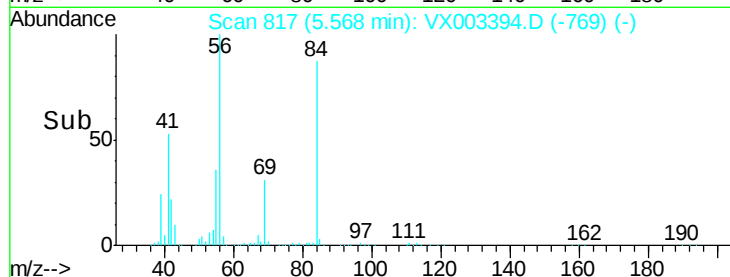
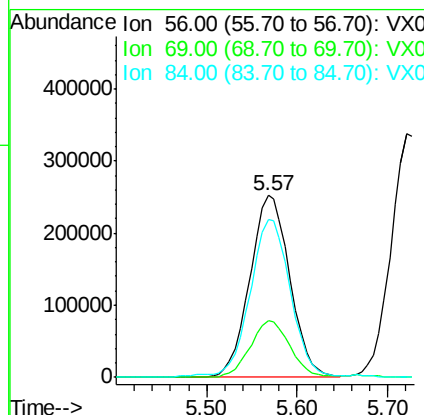
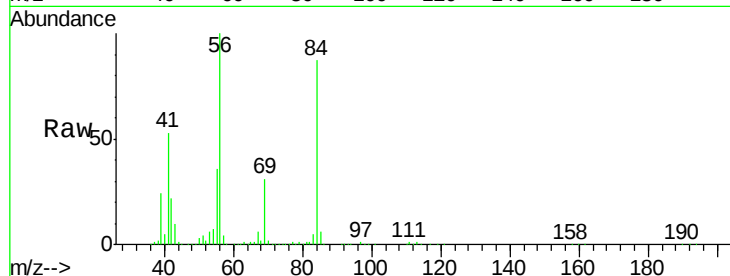
ClientSampled :

VSTDIC150

Tot Ion:	56	Resp:	769882
Ion Ratio	Lower	Upper	
56	100		
69	31.0	23.7	35.5
84	85.8	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 142.05 ug/l

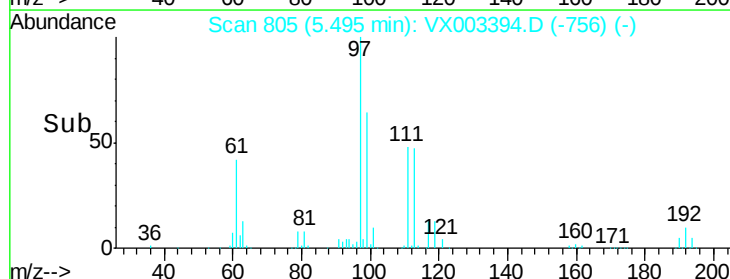
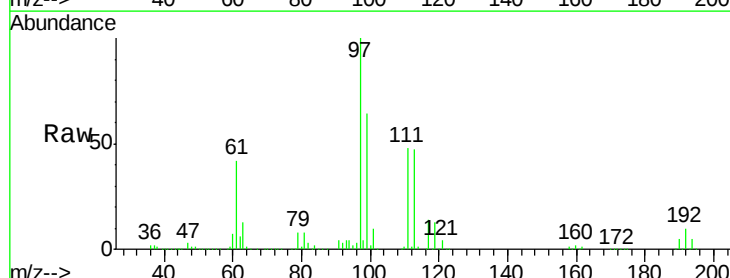
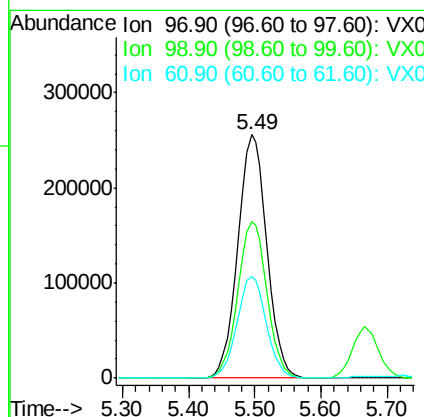
RT: 5.49 min Scan# 805

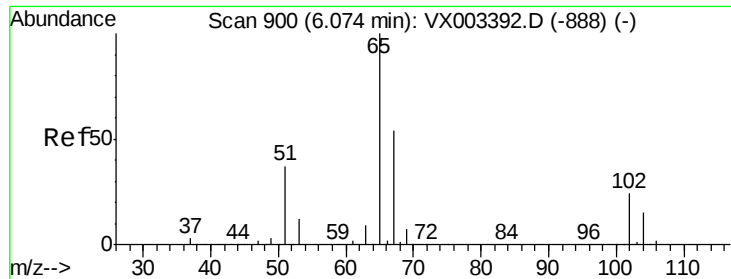
Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Tgt Ion:	97	Resp:	778830
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	42.1	36.4	54.6





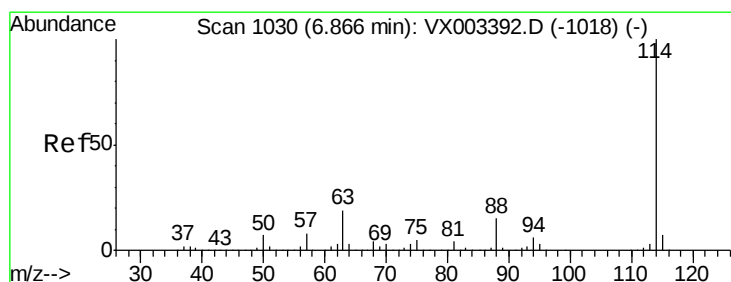
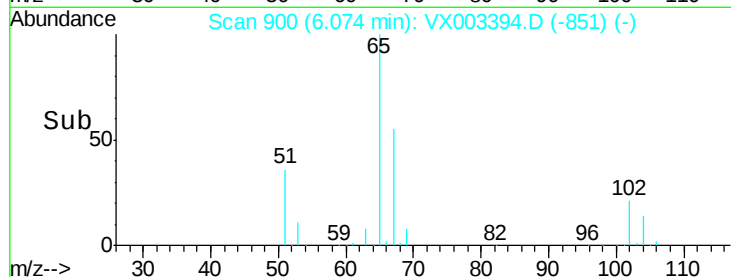
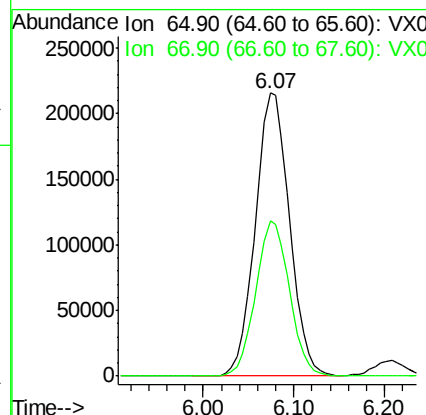
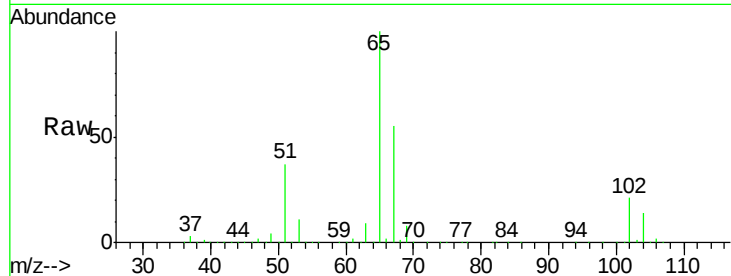
#33
 1,2-Dichloroethane-d4
 Concen: 155.03 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	564191		
67	54.0	0.0	102.6	

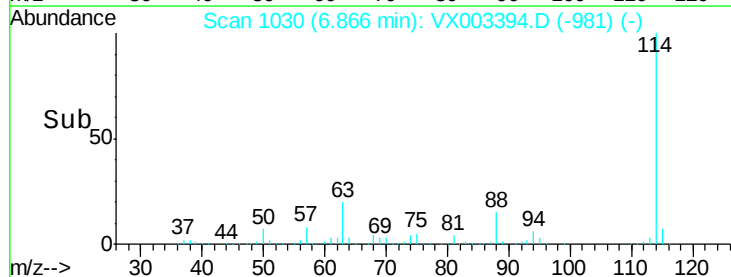
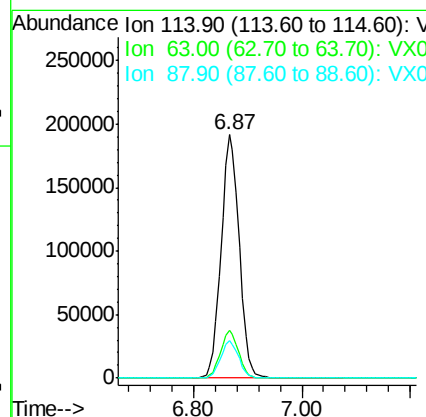
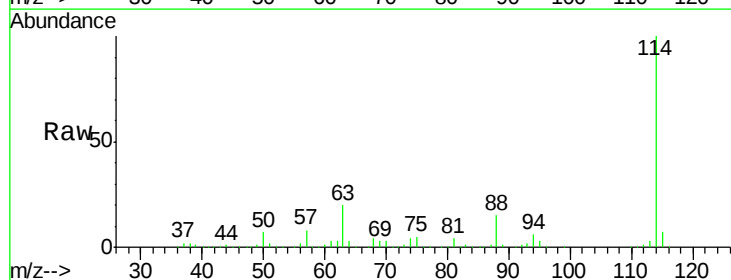
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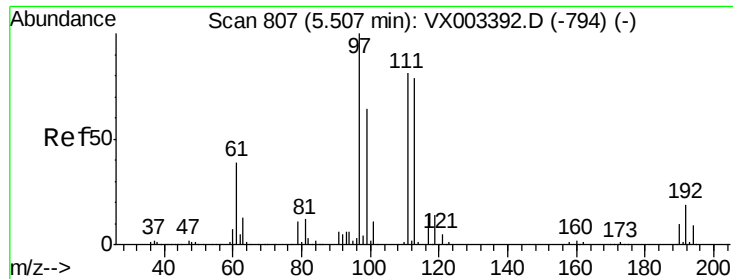
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 7/17/2018 1:46:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	441102		
63	19.6	0.0	41.4	
88	15.3	0.0	30.0	





#35

Dibromofluoromethane

Concen: 153.42 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

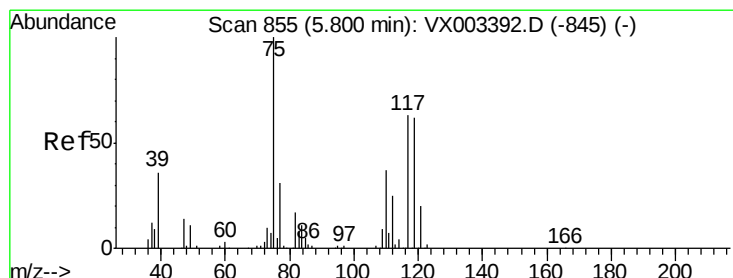
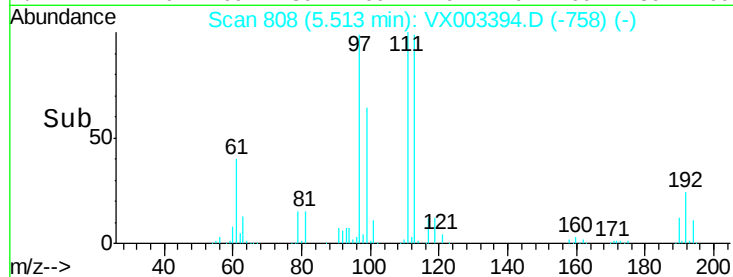
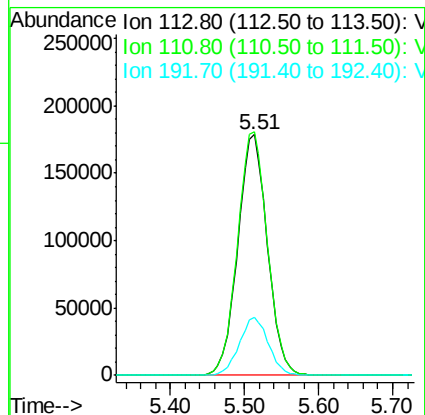
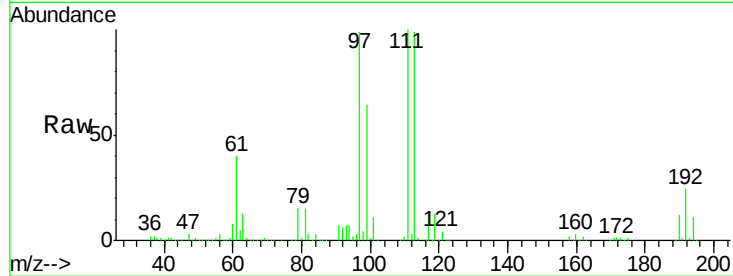
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	498092
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.4	122.0
192	23.5	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 141.94 ug/l

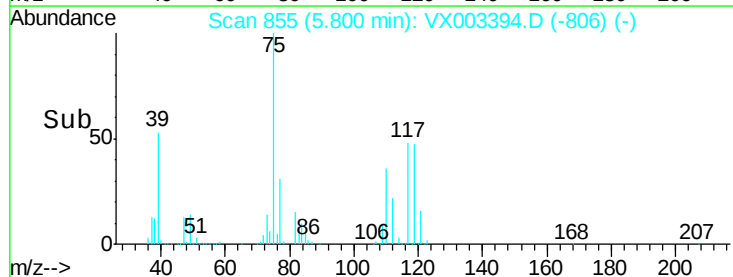
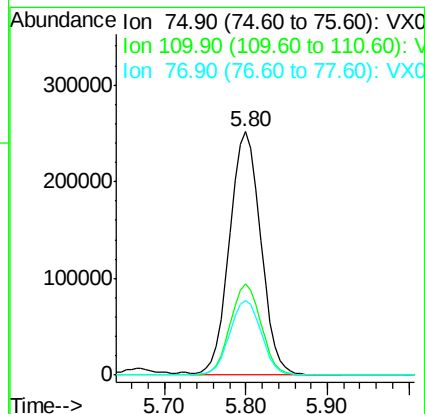
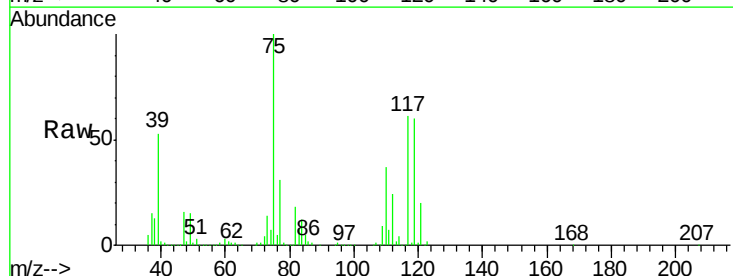
RT: 5.80 min Scan# 855

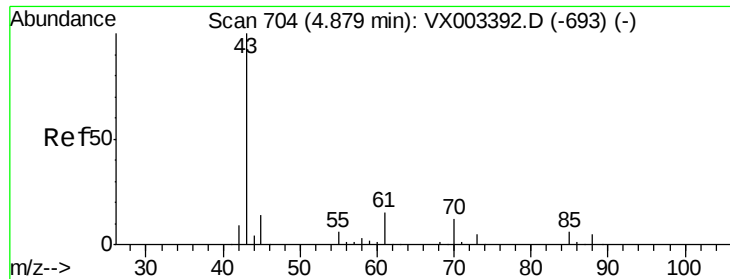
Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Tgt Ion:	75	Resp:	665130
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.1	54.4
77	31.0	24.3	36.5





#37

Ethyl Acetate

Concen: 146.68 ug/l

RT: 4.89 min Scan# 705

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

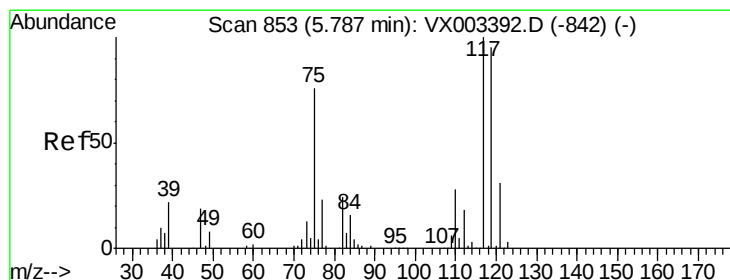
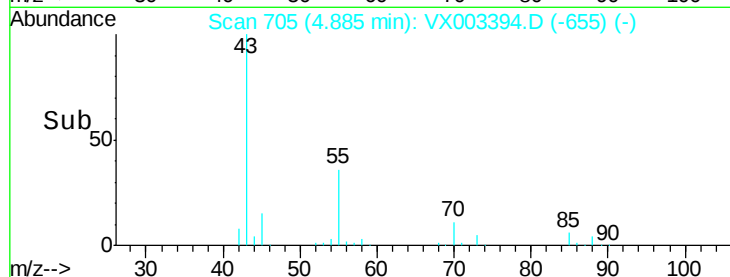
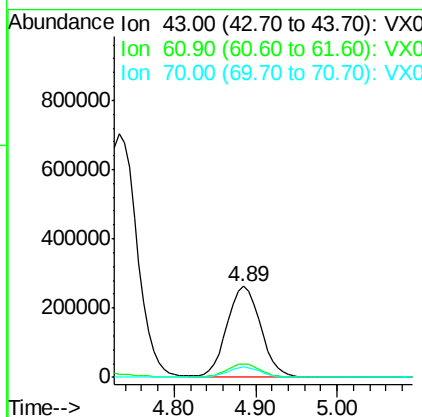
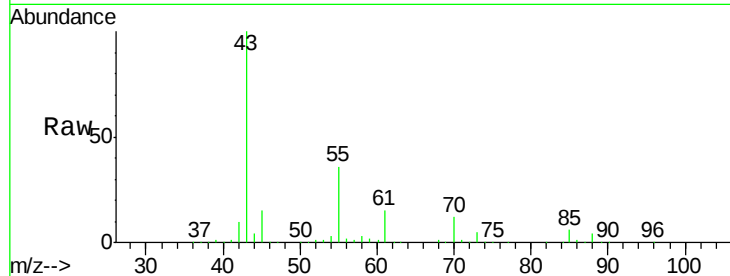
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	753255
Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.4	15.6
70	11.0	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 145.35 ug/l

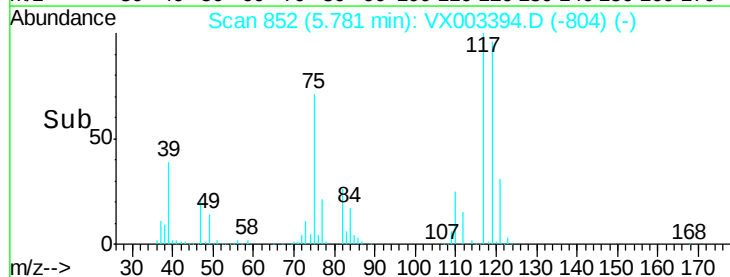
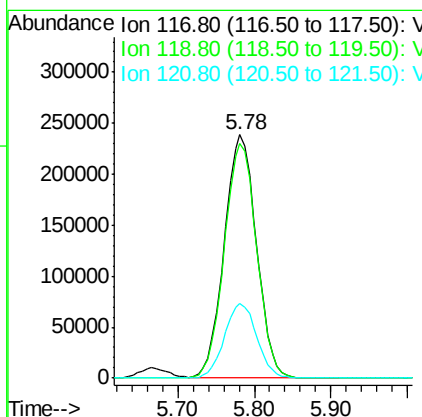
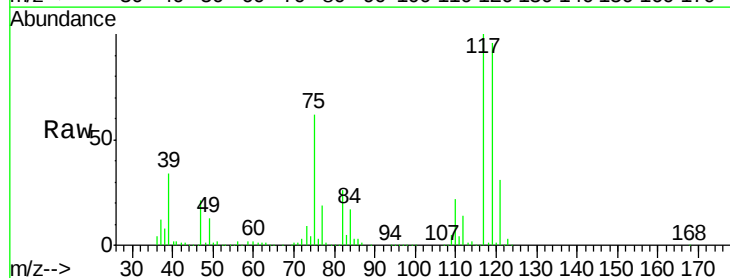
RT: 5.78 min Scan# 852

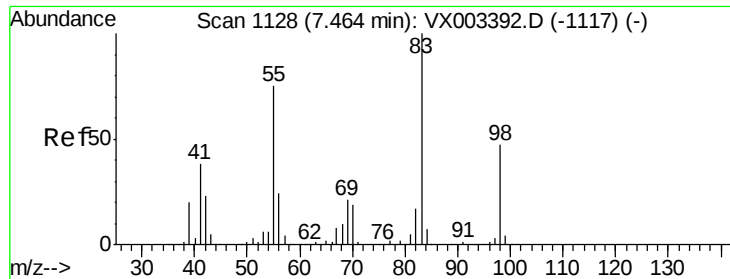
Delta R.T. -0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Tgt Ion:	117	Resp:	694345
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
121	30.9	24.4	36.6





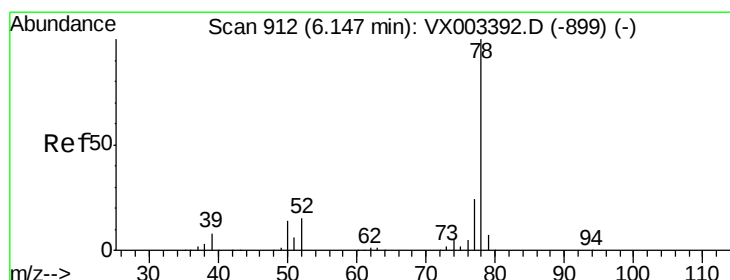
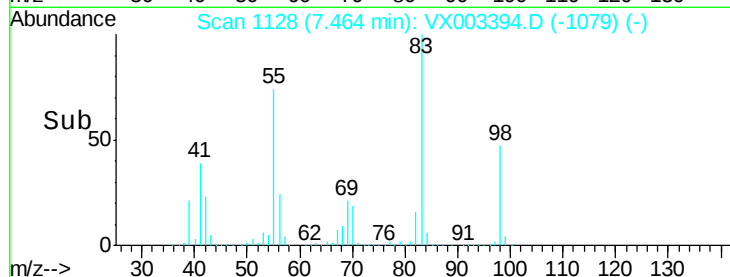
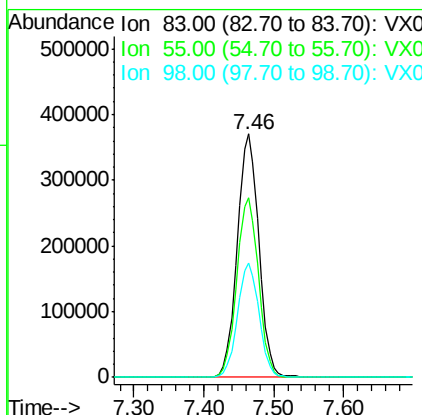
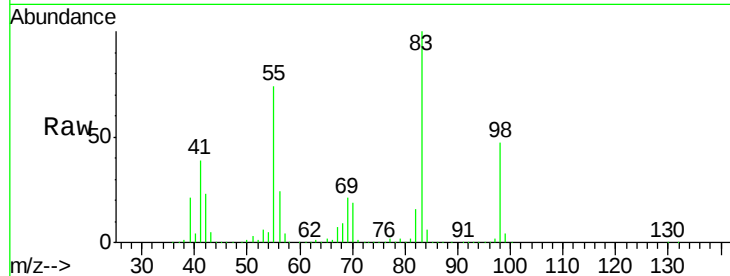
#39
Methvlcvclohexane
Concen: 149.70 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	794118		
55	73.9		65.4	98.0
98	47.0		37.4	56.0

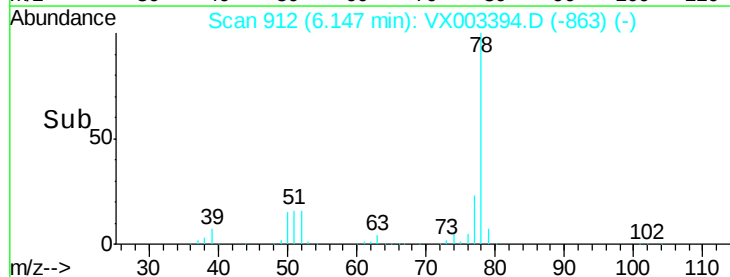
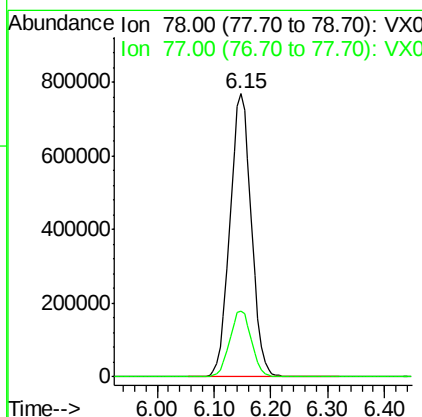
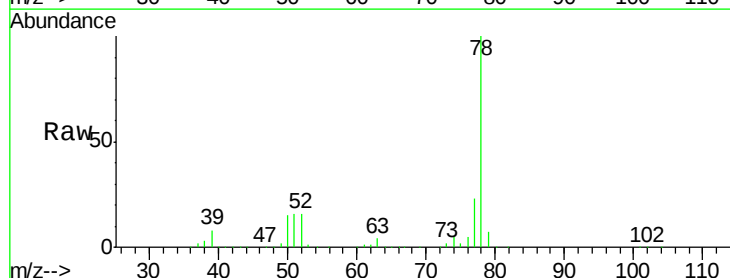
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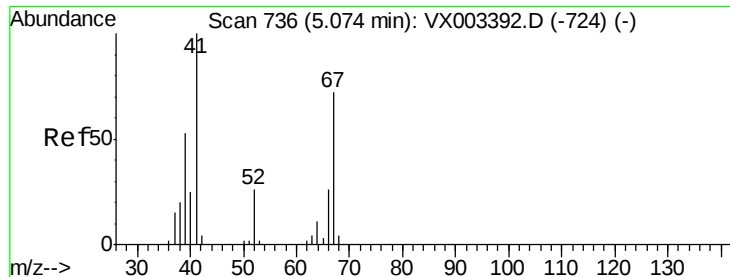
MMDadoda
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#40
Benzene
Concen: 137.80 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2022413		
77	23.4		19.1	28.7





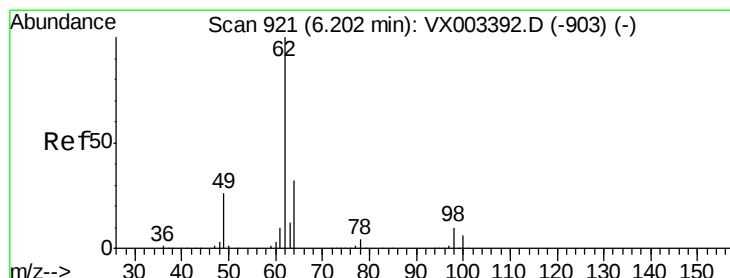
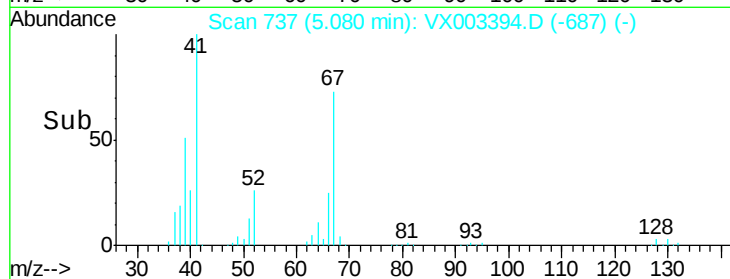
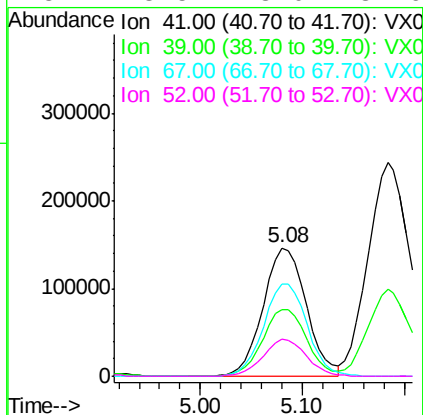
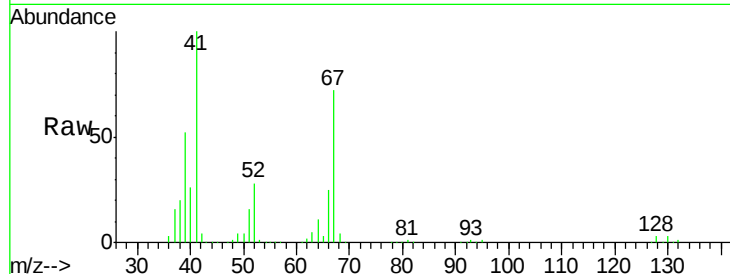
#41
Methacrylonitrile
Concen: 146.17 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		430018		
39	53.1	45.8	68.6		
67	73.1	51.3	76.9		
52	28.5	23.0	34.6		

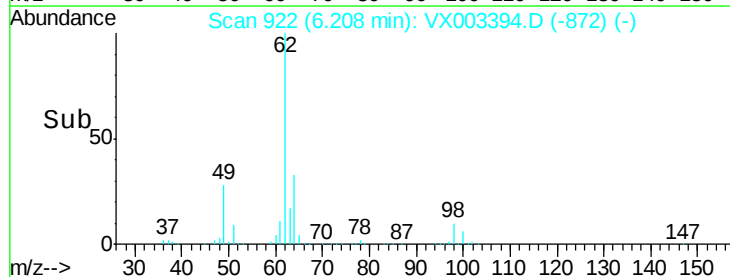
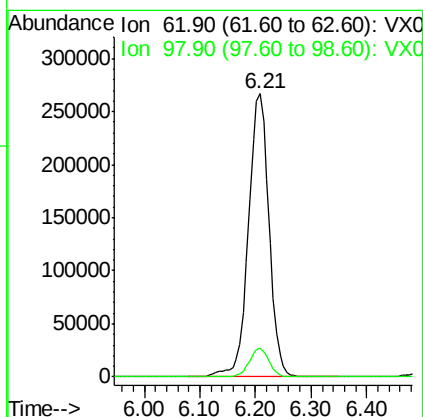
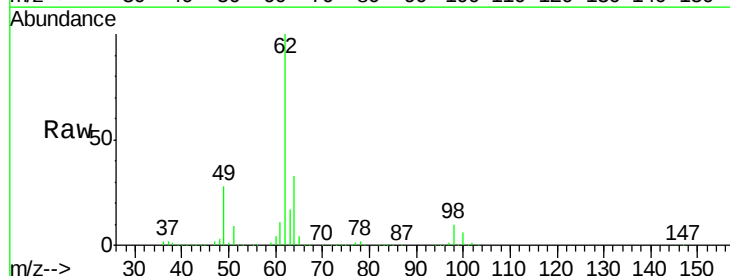
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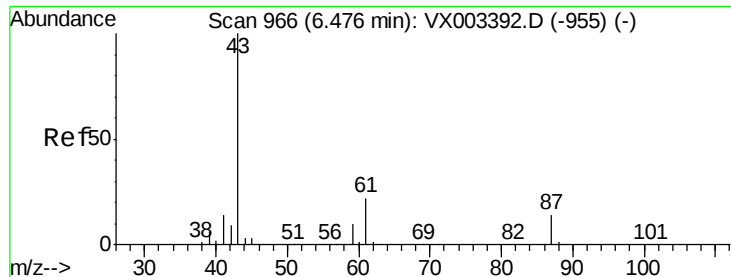
MMDadoda
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#42
1,2-Dichloroethane
Concen: 134.04 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		687170		
98	9.7	0.0	16.6		





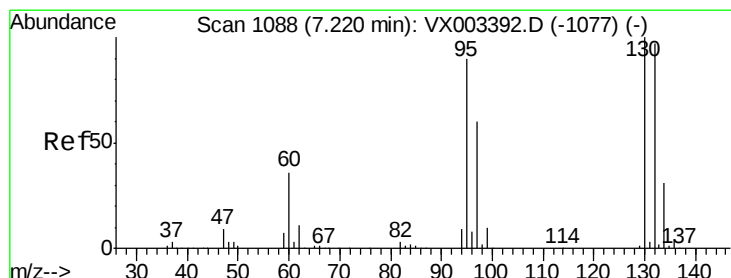
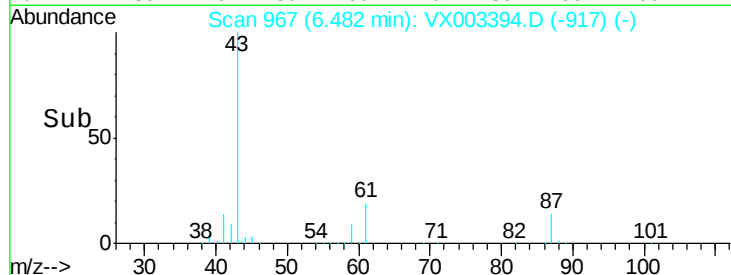
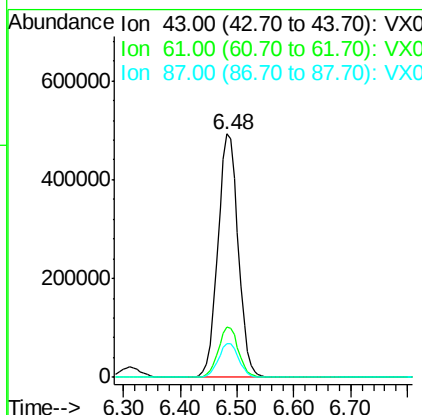
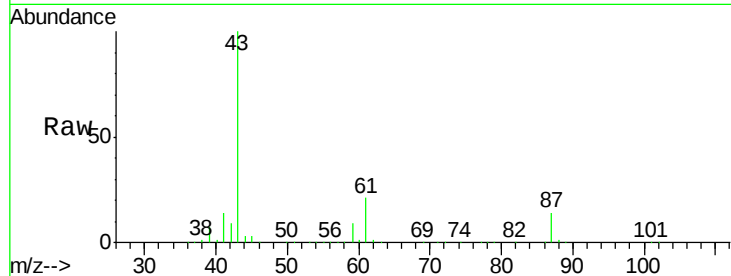
#43
Isopropyl Acetate
Concen: 150.51 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1211200
Ion Ratio Lower Upper
43 100
61 20.7 14.4 21.6
87 13.9 9.5 14.3

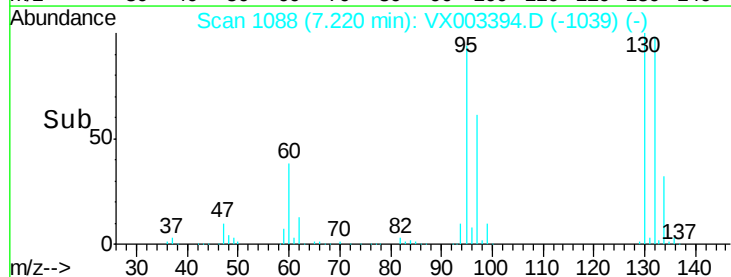
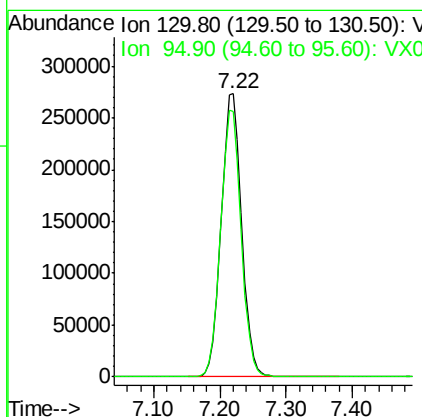
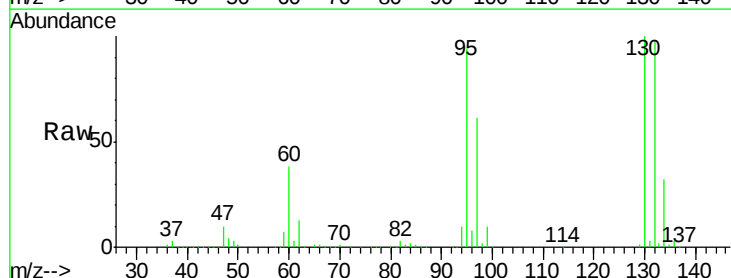
Manual Integrations
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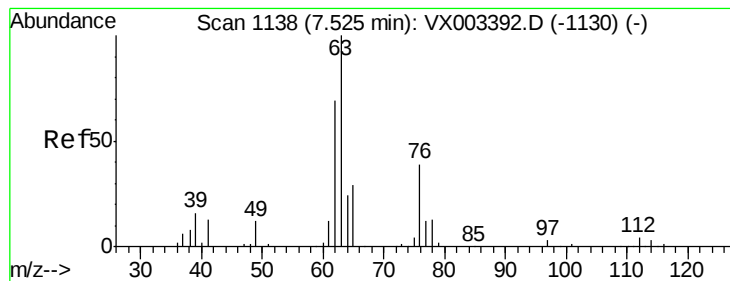
MMDadoda
7/17/2018 1:46:33 PM



#44
Trichloroethene
Concen: 140.45 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion:130 Resp: 584099
Ion Ratio Lower Upper
130 100
95 93.8 0.0 185.4





#45

1,2-Dichloropropane

Concen: 135.30 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 526749

Ion Ratio Lower Upper

63 100

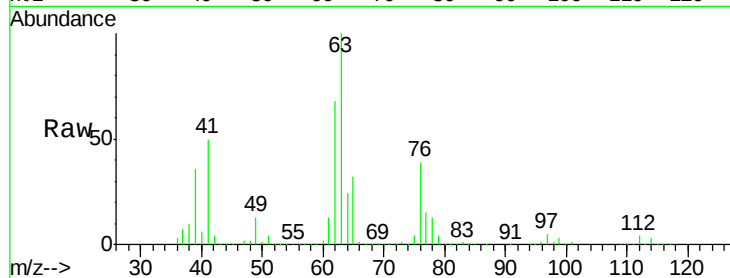
65 31.7 24.7 37.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

250000

200000

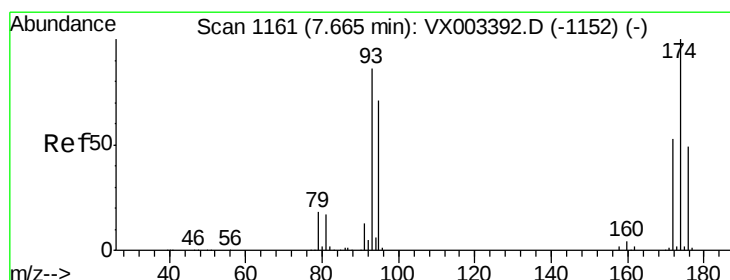
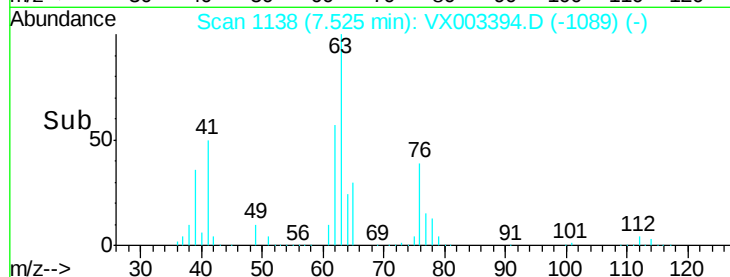
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 139.53 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

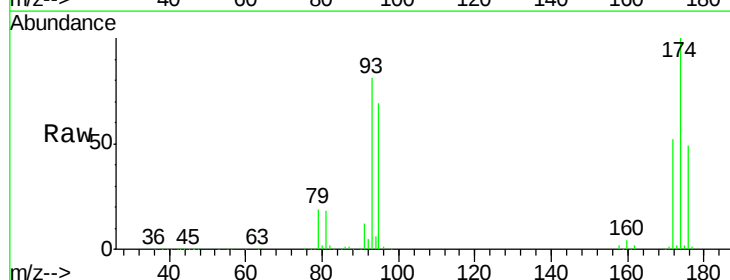
Tgt Ion: 93 Resp: 349274

Ion Ratio Lower Upper

93 100

95 83.8 65.9 98.9

174 119.7 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.67

250000

200000

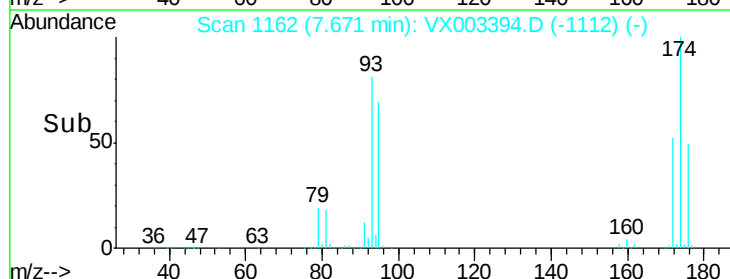
150000

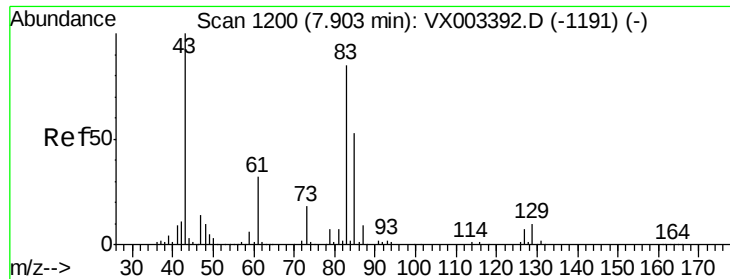
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 147.04 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

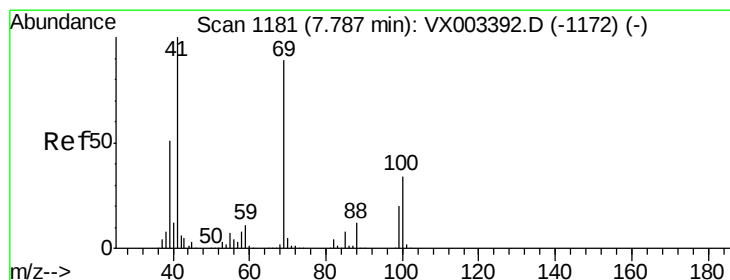
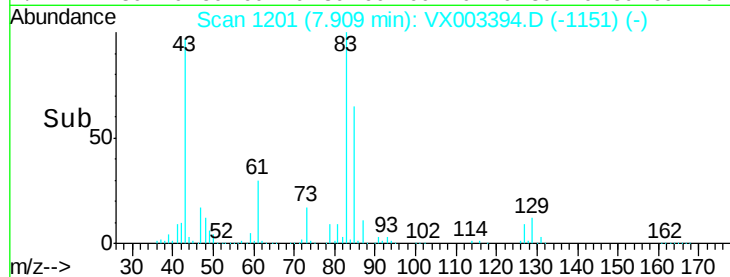
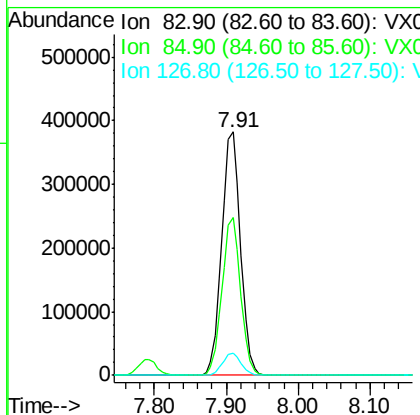
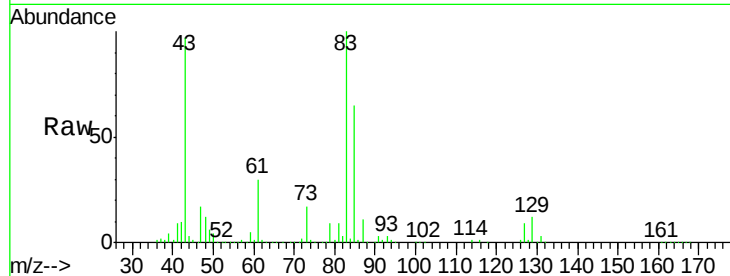
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	693941
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.3	75.5
127	9.2	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 156.23 ug/l

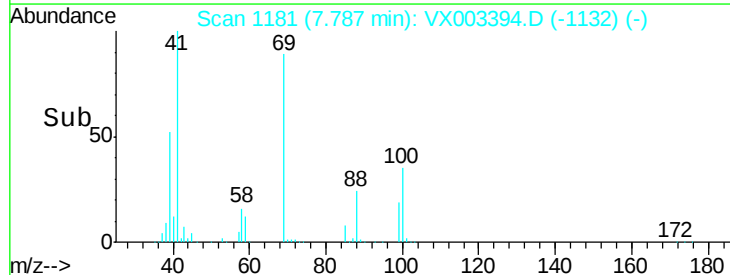
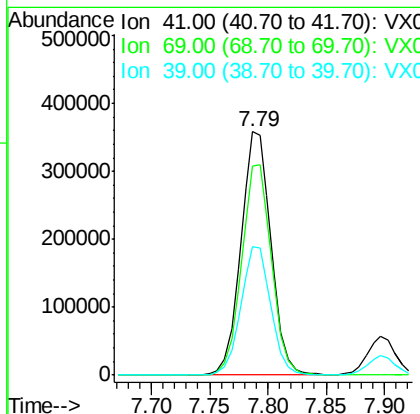
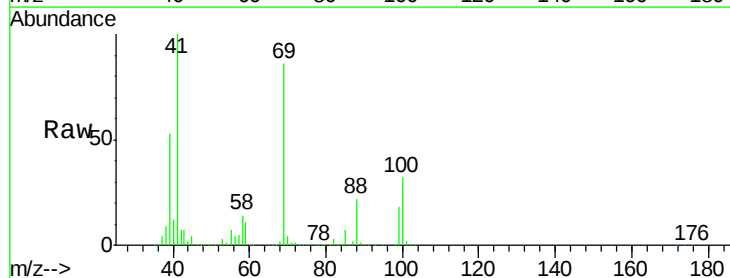
RT: 7.79 min Scan# 1181

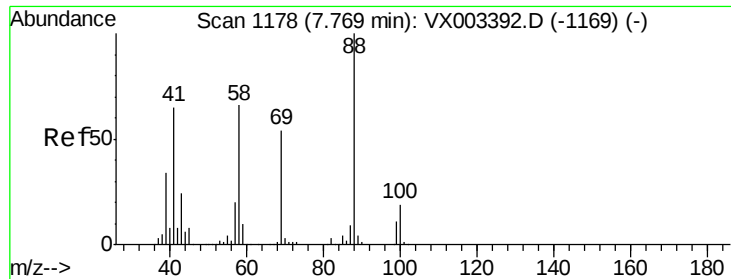
Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Tgt Ion:	41	Resp:	641676
Ion Ratio	Lower	Upper	
41	100		
69	86.5	59.1	88.7
39	52.6	48.9	73.3





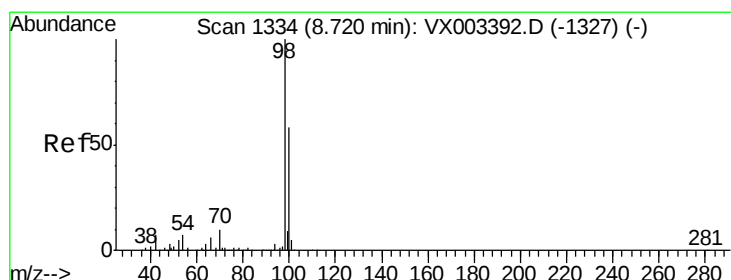
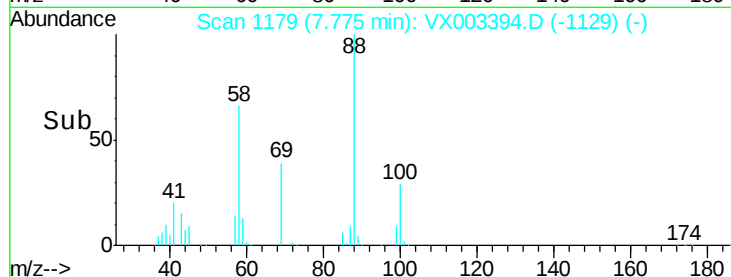
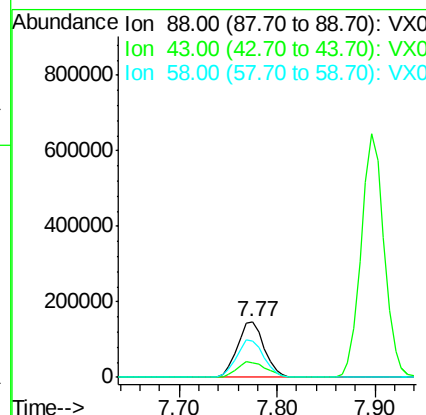
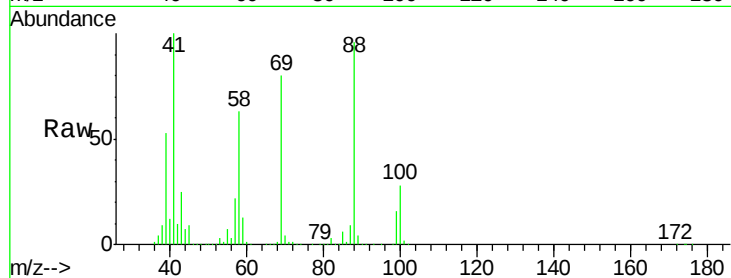
#49
1,4-Dioxane
Concen: 3145.84 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	29.8	44.6
58	68.7	57.1	85.7

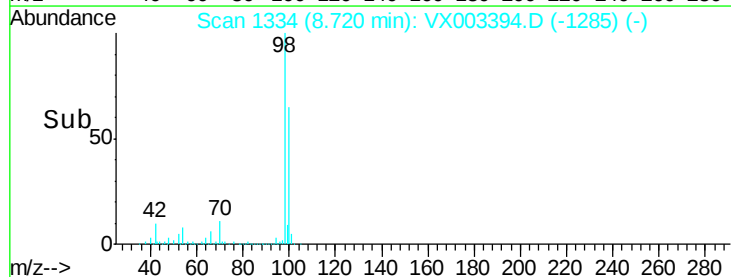
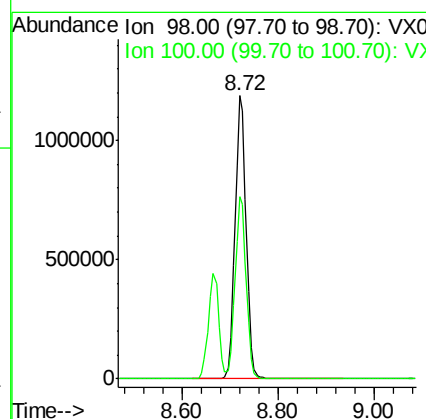
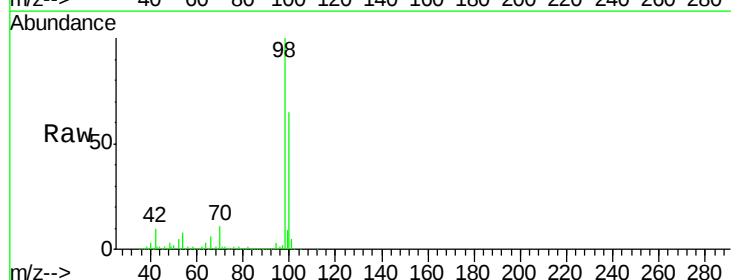
Manual Integrations
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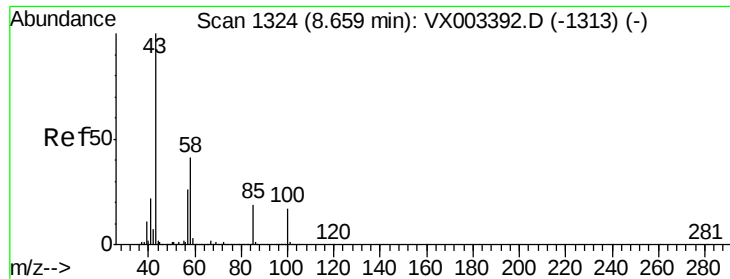
MMDadoda
7/17/2018 1:46:33 PM



#50
Toluene-d8
Concen: 166.91 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.9	76.3





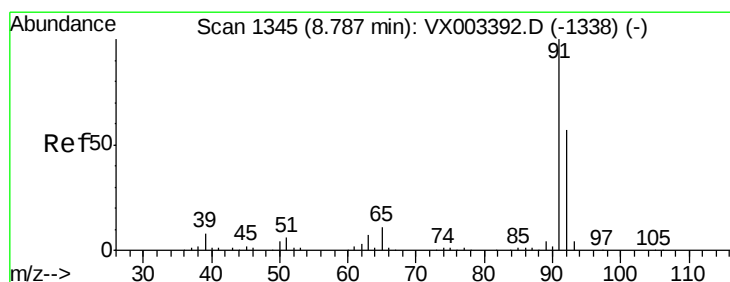
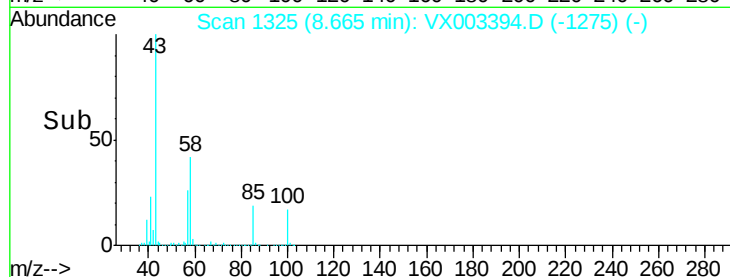
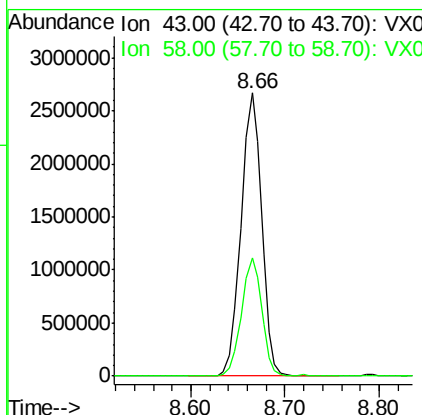
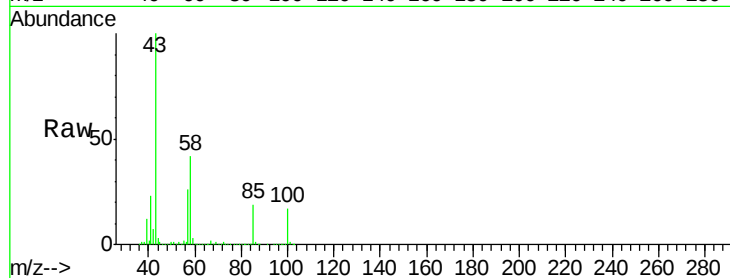
#51
4-Methyl-2-Pentanone
Concen: 776.41 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4084213
Ion Ratio Lower Upper
43 100
58 41.1 28.6 42.8

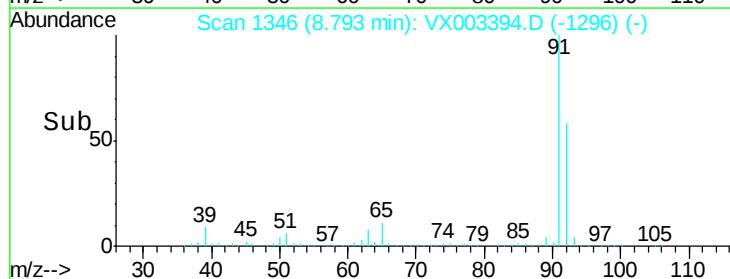
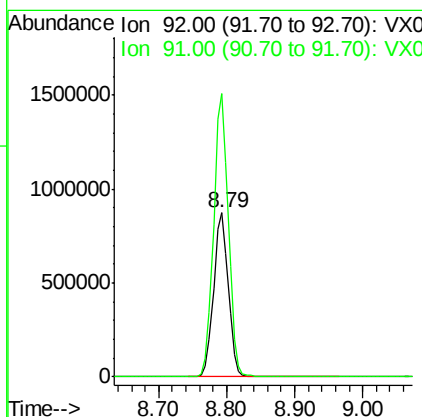
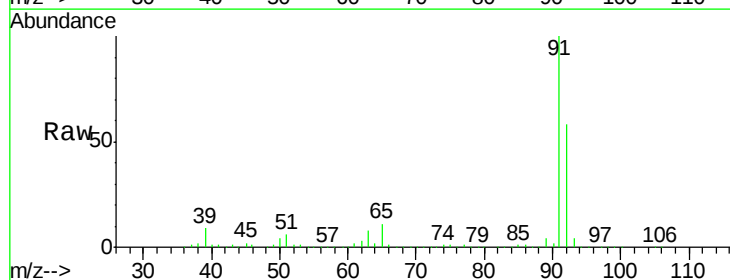
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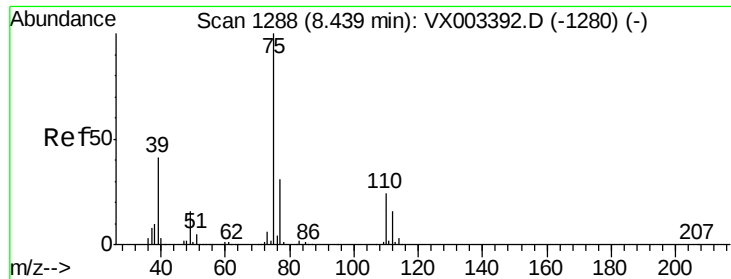
MMDadoda
7/17/2018 1:46:33 PM



#52
Toluene
Concen: 140.54 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion: 92 Resp: 1307099
Ion Ratio Lower Upper
92 100
91 173.7 140.4 210.6





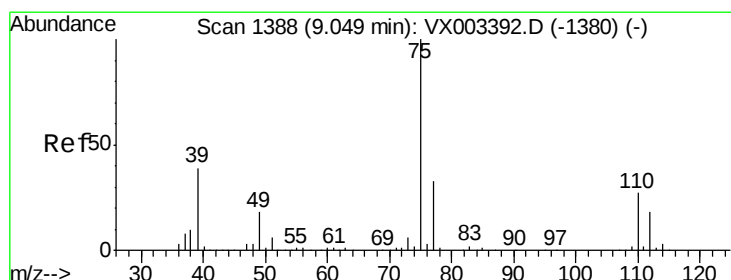
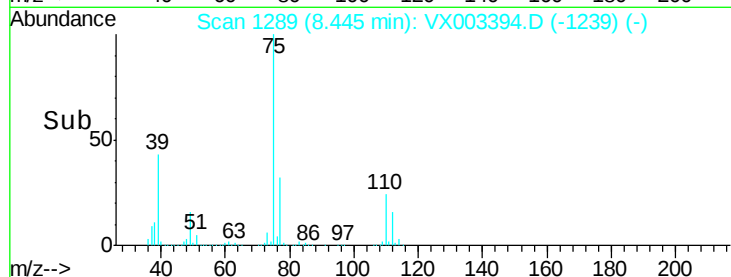
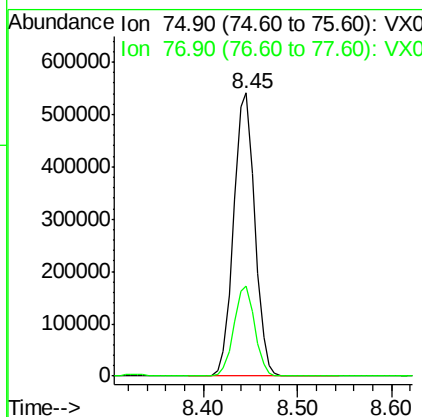
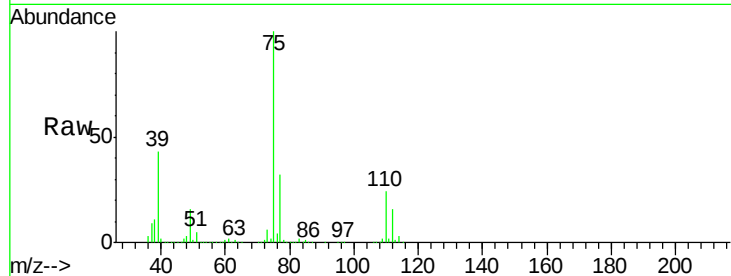
#53
t-1,3-Dichloropropene
Concen: 151.63 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 840532
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

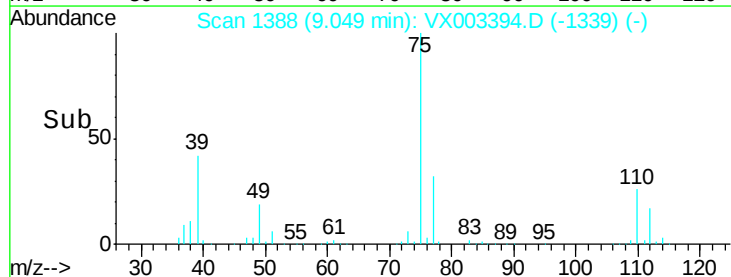
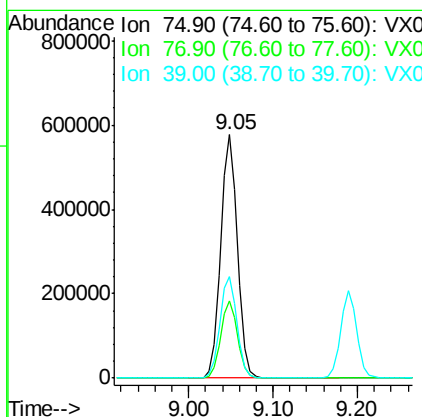
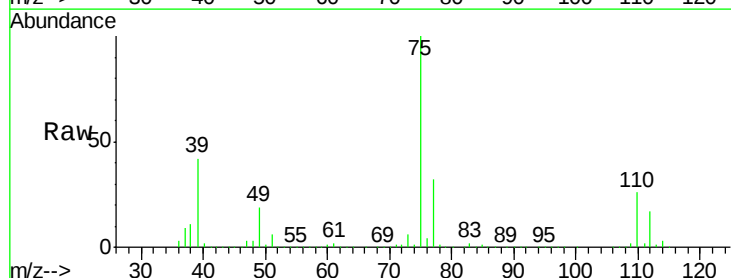
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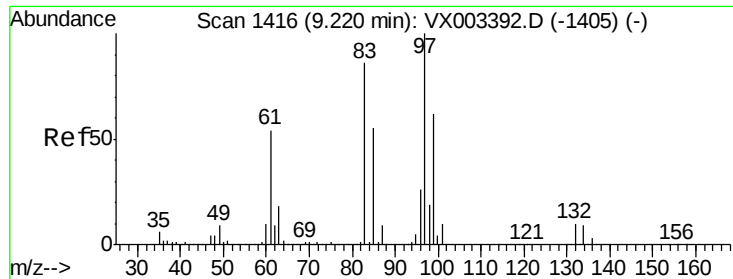
MMDadoda
7/17/2018 1:46:33 PM



#54
cis-1,3-Dichloropropene
Concen: 157.01 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion: 75 Resp: 795076
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 41.8 42.4 63.6#





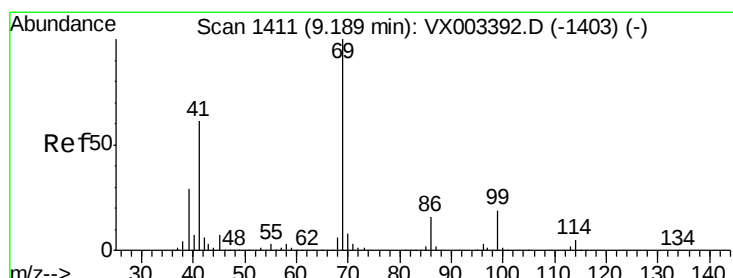
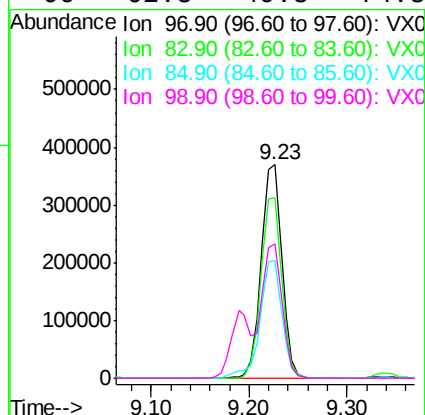
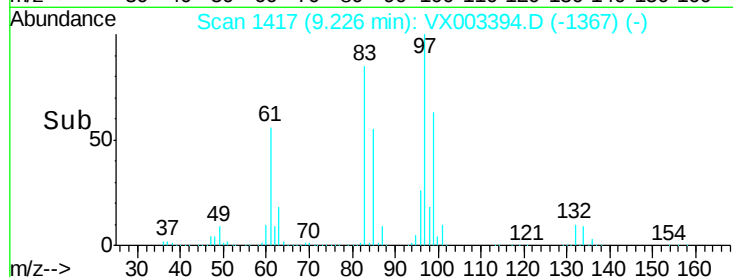
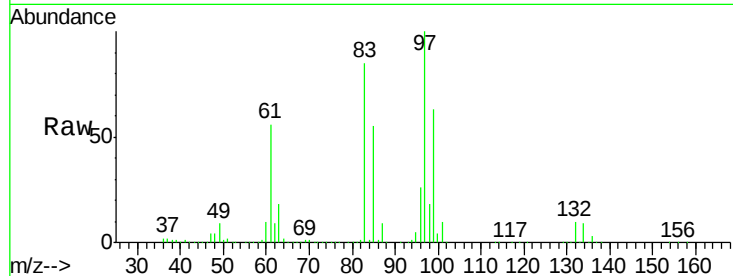
#55
 1,1,2-Trichloroethane
 Concen: 142.00 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	551236
Ion Ratio	Lower	Upper	
97	100		
83	84.5	70.2	105.2
85	55.2	44.9	67.3
99	62.8	49.8	74.8

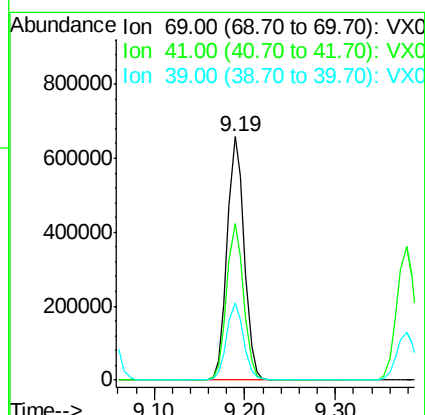
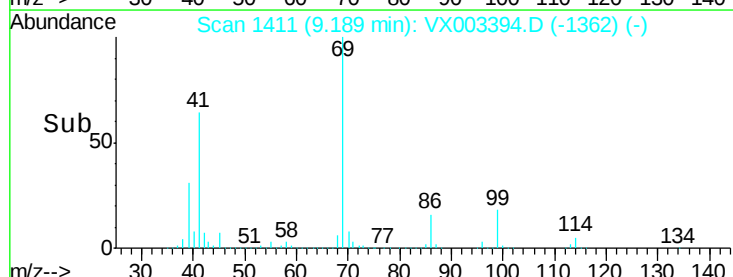
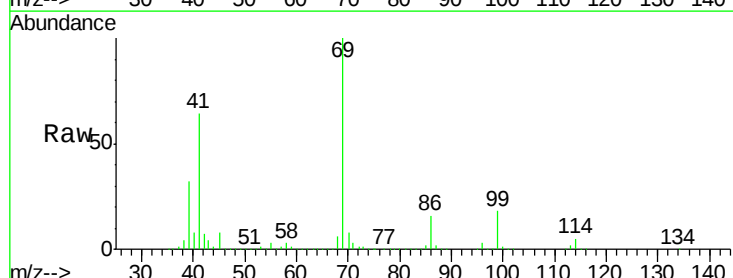
Manual Integrations
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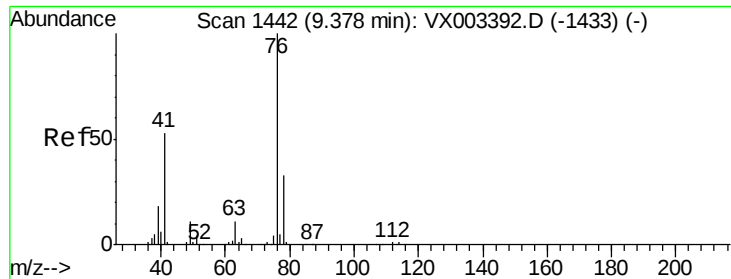
MMDadoda
 7/17/2018 1:46:33 PM



#56
 Ethyl methacrylate
 Concen: 156.07 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Tgt Ion:	69	Resp:	865402
Ion Ratio	Lower	Upper	
69	100		
41	63.9	60.3	90.5
39	31.7	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 141.66 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 891293

Ion Ratio Lower Upper

76 100

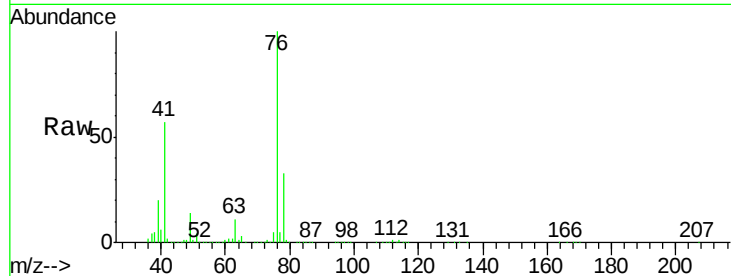
78 32.5 25.8 38.6

Manual Integrations

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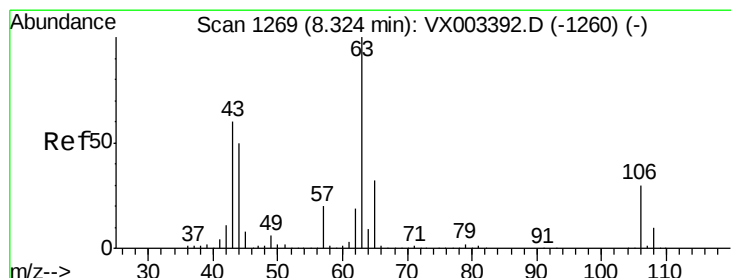
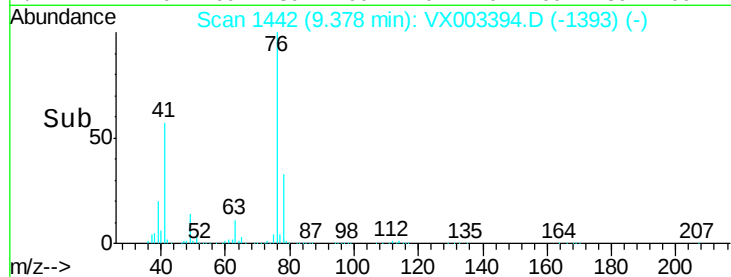
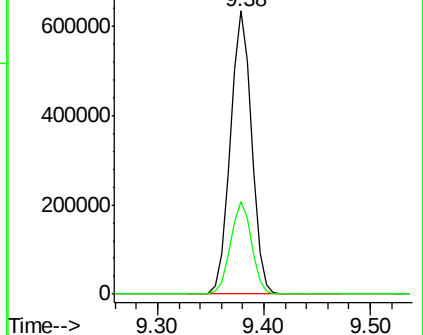
MMDadoda

7/17/2018 1:46:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 769.66 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX003394.D

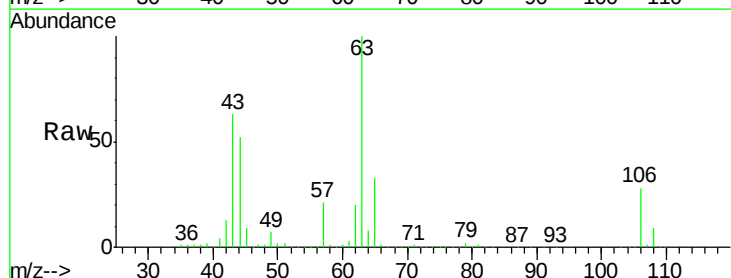
Acq: 16 Jul 2018 12:42

Tgt Ion: 63 Resp: 2073842

Ion Ratio Lower Upper

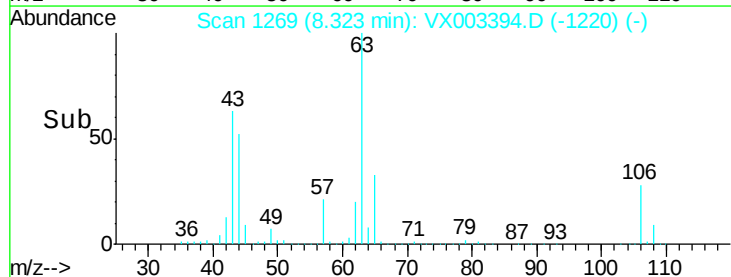
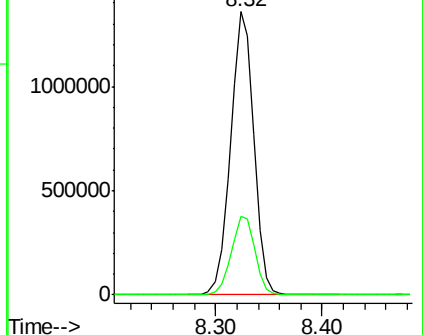
63 100

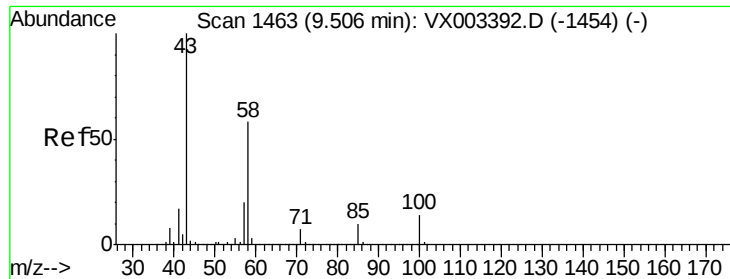
106 28.5 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





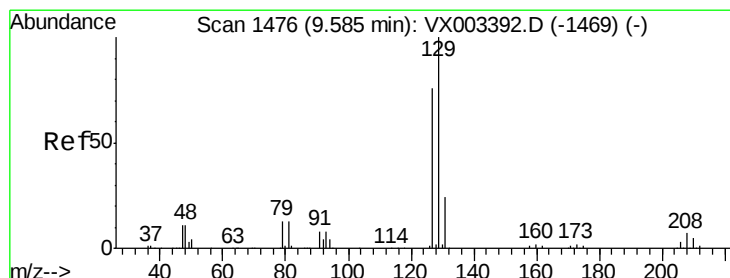
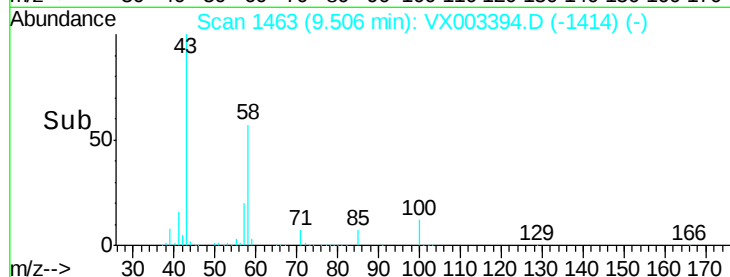
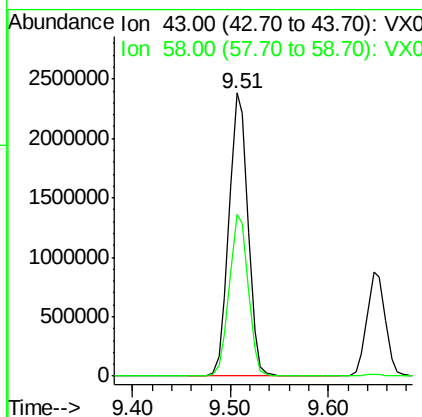
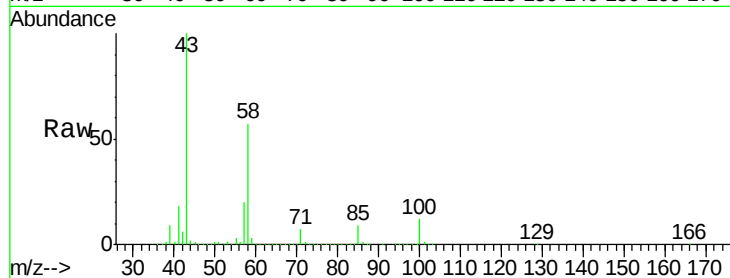
#59
2-Hexanone
Concen: 829.22 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3217327
Ion Ratio Lower Upper
43 100
58 57.2 24.6 73.6

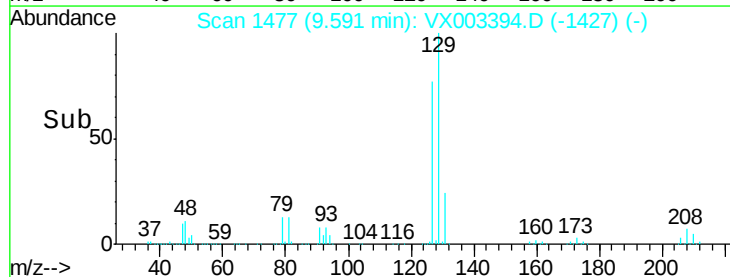
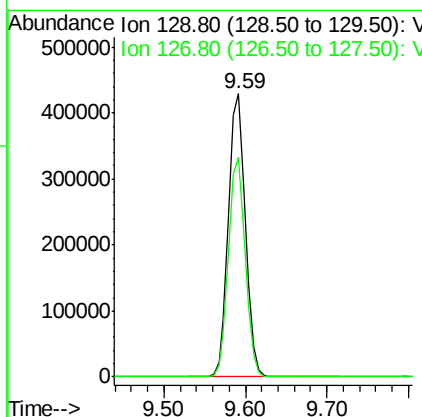
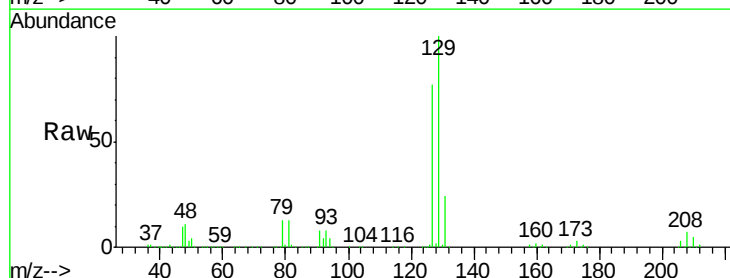
Manual Integrations
APPROVED

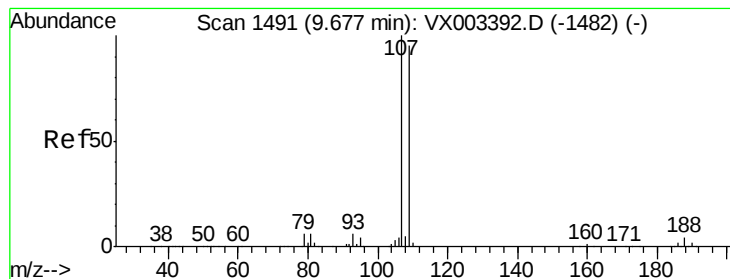
MMDadoda
7/17/2018 1:46:33 PM



#60
Dibromochloromethane
Concen: 161.55 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion: 129 Resp: 608771
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 149.42 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 584883

Ion Ratio Lower Upper

107 100

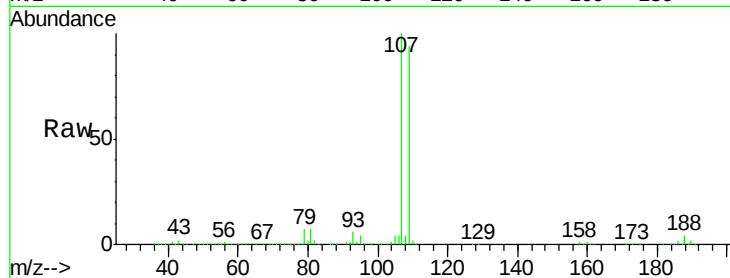
109 94.5 75.3 112.9

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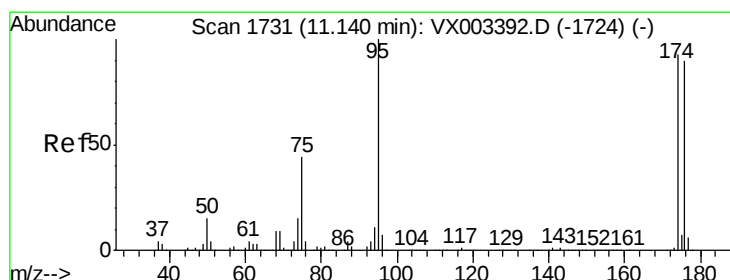
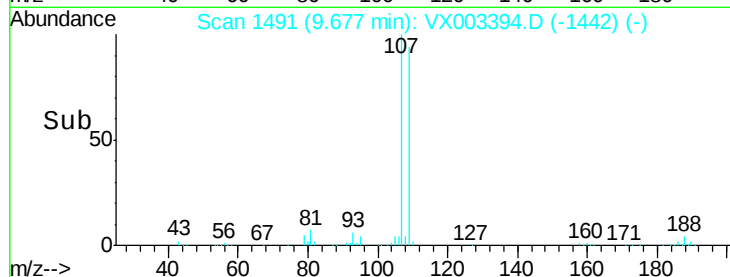
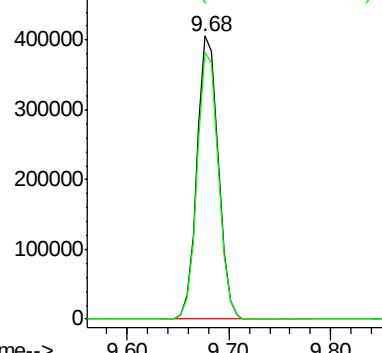
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 164.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

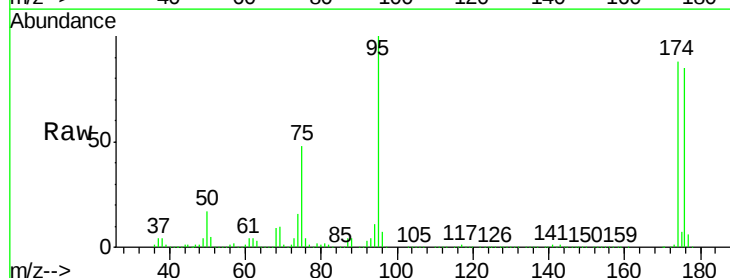
Tgt Ion: 95 Resp: 741715

Ion Ratio Lower Upper

95 100

174 94.1 0.0 187.4

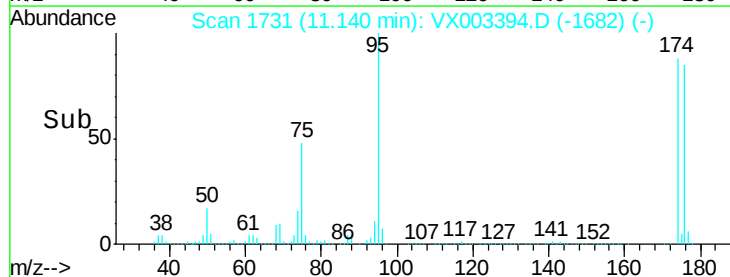
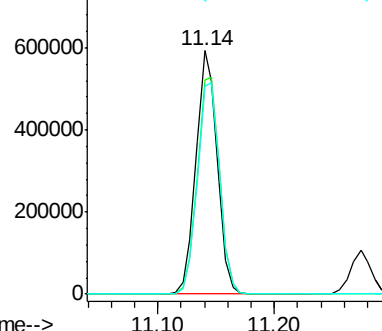
176 91.6 0.0 181.0

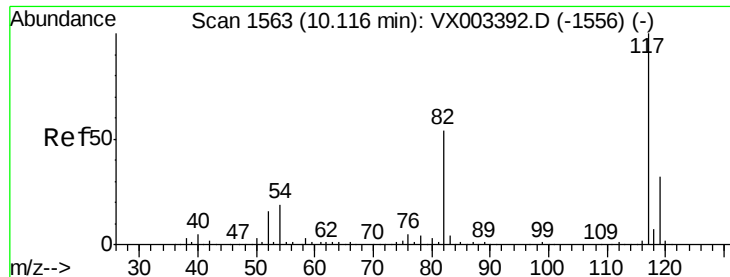


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





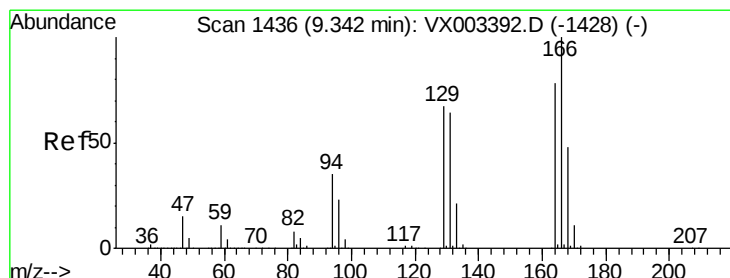
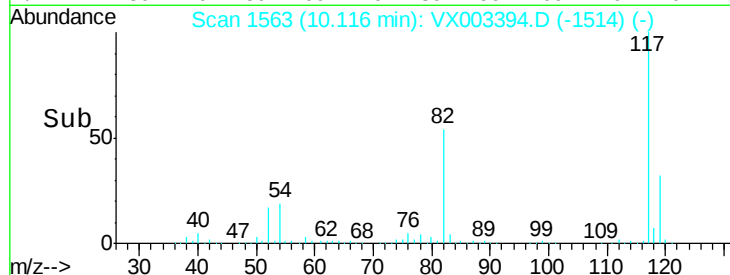
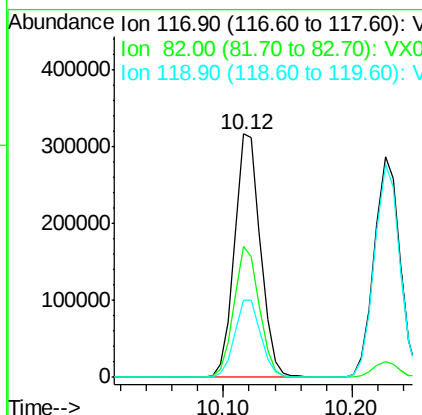
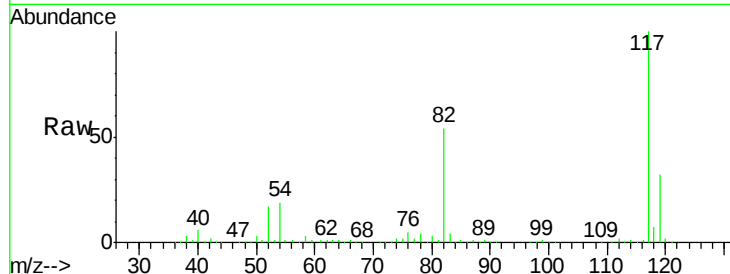
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.0	67.4
119	32.0	25.8	38.6

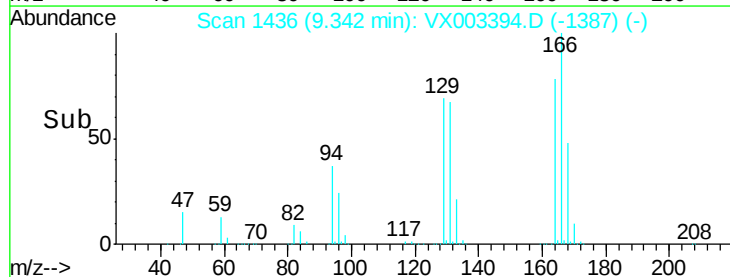
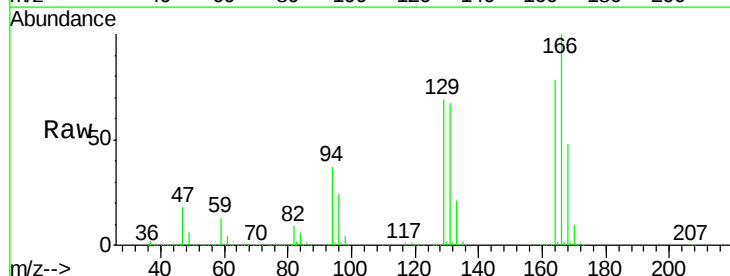
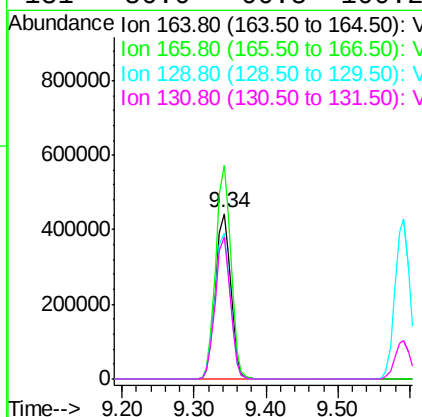
Manual Integrations
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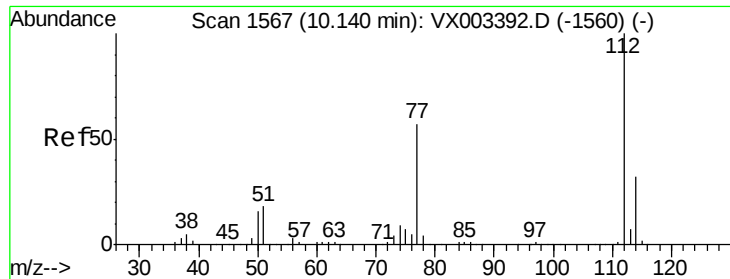
MMDadoda
7/17/2018 1:46:33 PM



#64
Tetrachloroethene
Concen: 135.26 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.9	154.3
129	88.4	68.6	102.8
131	86.0	66.8	100.2





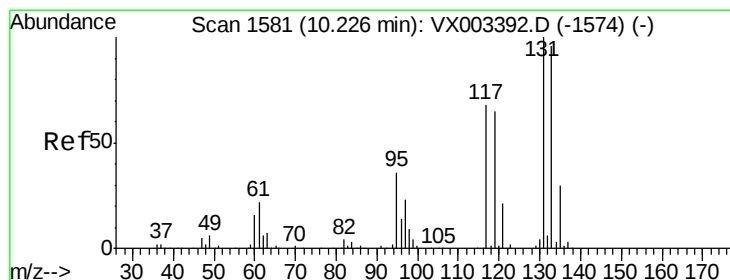
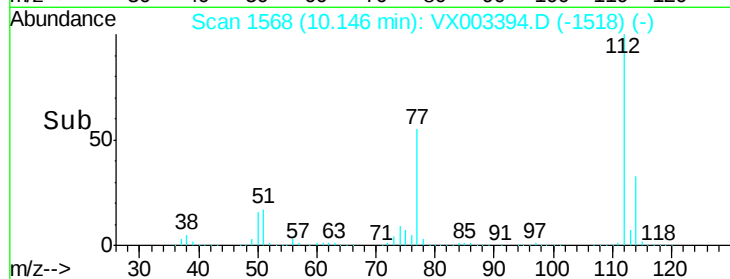
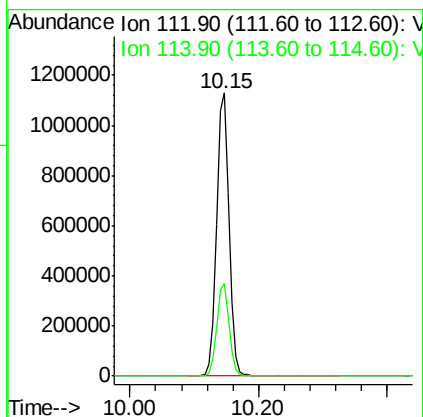
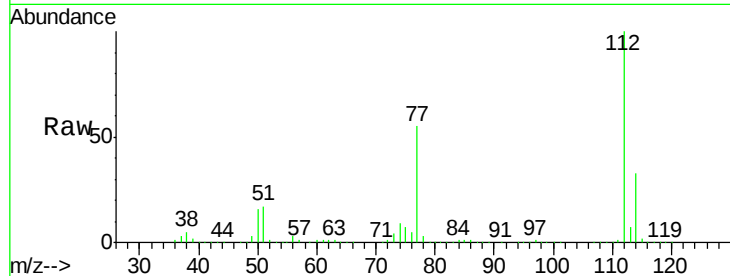
#65
Chlorobenzene
Concen: 135.50 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1543260
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

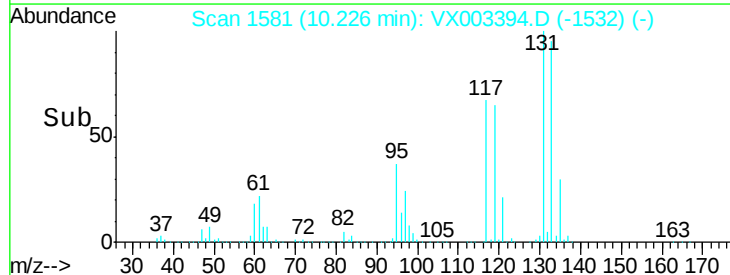
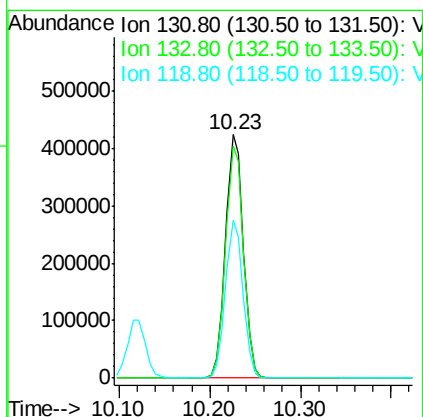
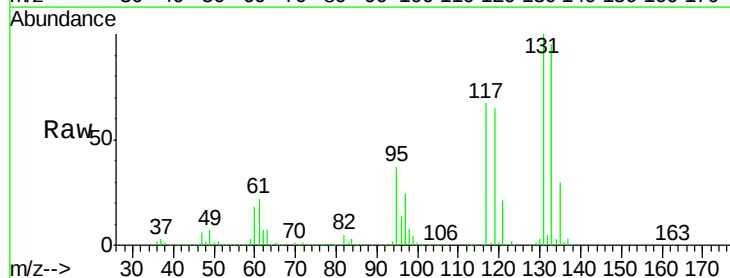
Manual Integrations
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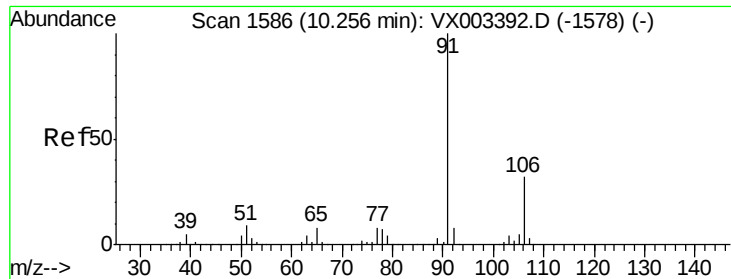
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#66
1,1,1,2-Tetrachloroethane
Concen: 143.17 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion:131 Resp: 576569
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.6
119 64.6 31.8 95.3





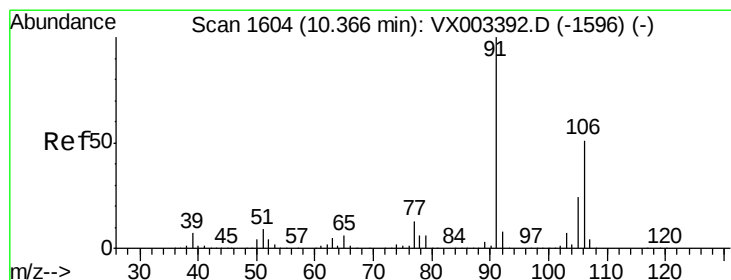
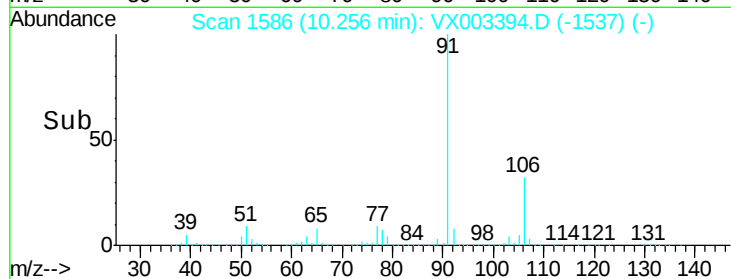
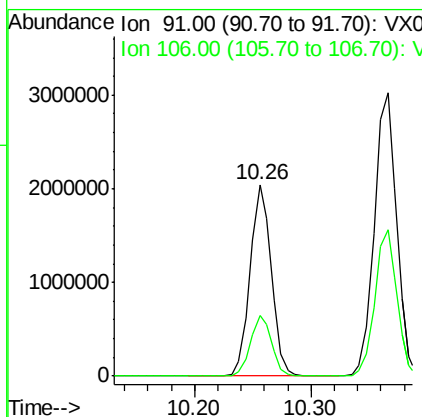
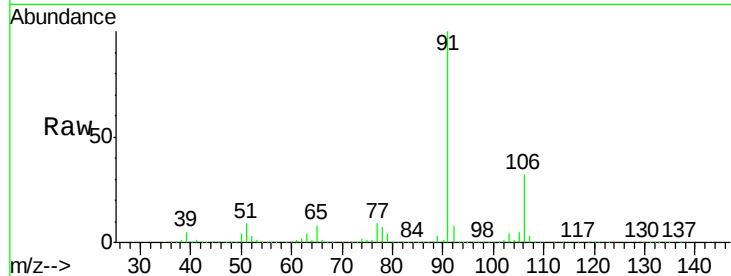
#67
Ethyl Benzene
Concen: 140.46 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2603324
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

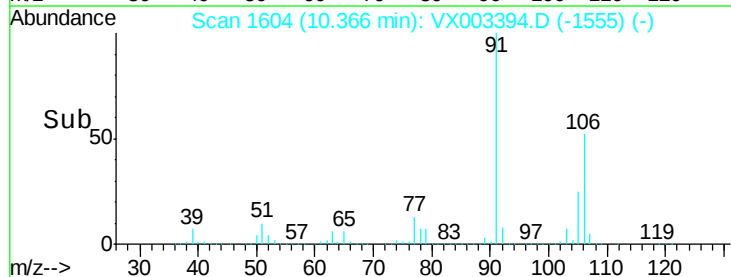
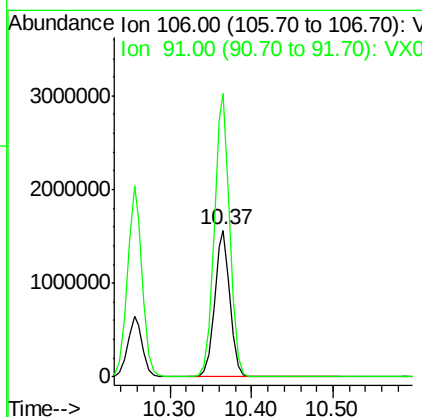
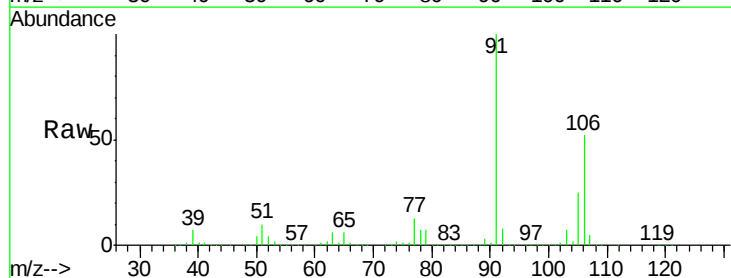
Manual Integrations
APPROVED

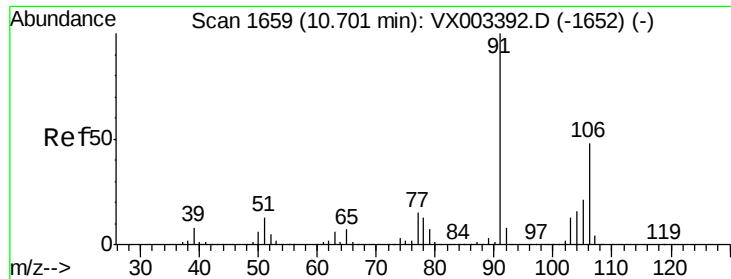
MMDadoda
7/17/2018 1:46:33 PM



#68
m/p-Xylenes
Concen: 289.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion: 106 Resp: 2065158
Ion Ratio Lower Upper
106 100
91 195.8 163.4 245.2





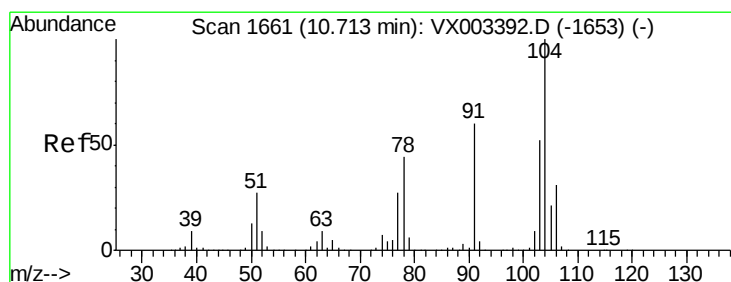
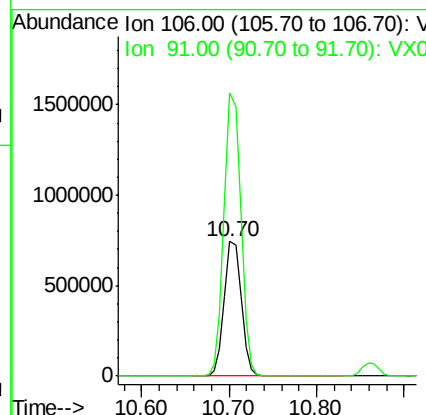
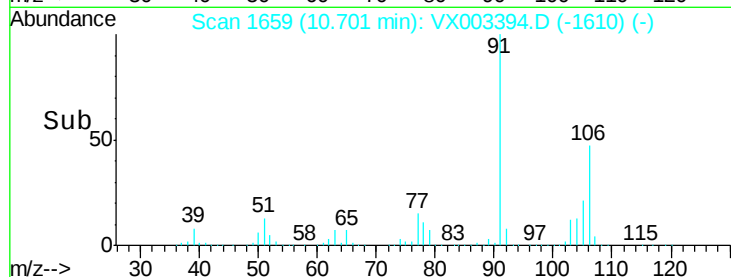
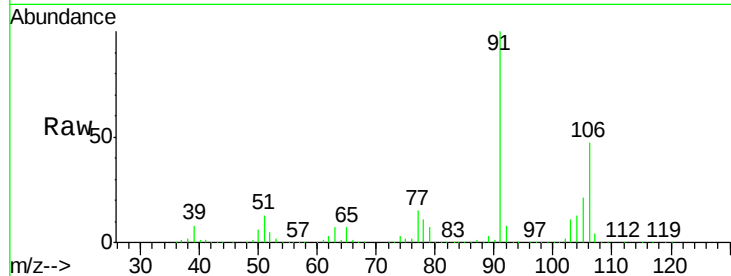
#69
o-Xylene
Concen: 143.77 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1002564
Ion Ratio Lower Upper
106 100
91 209.3 108.2 324.6

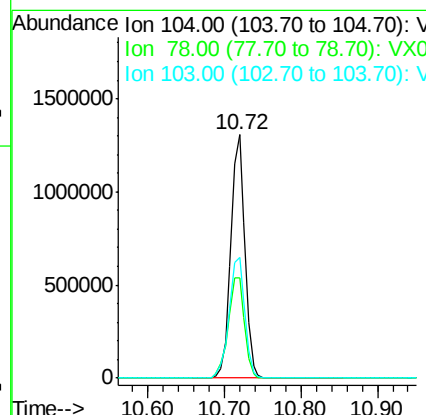
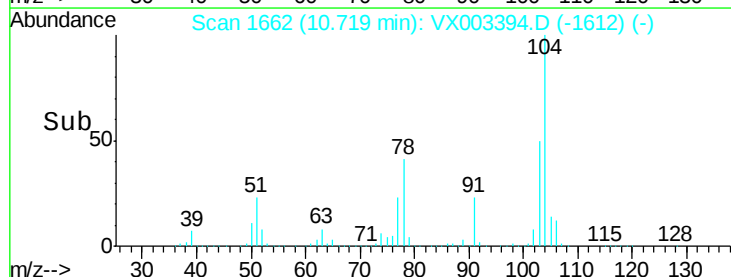
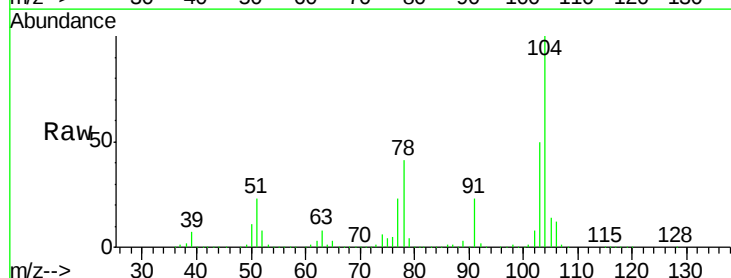
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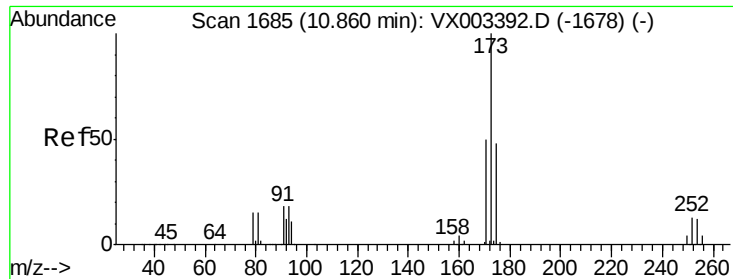
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#70
Styrene
Concen: 142.07 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion:104 Resp: 1664960
Ion Ratio Lower Upper
104 100
78 47.9 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 165.70 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 510845

Ion Ratio Lower Upper

173 100

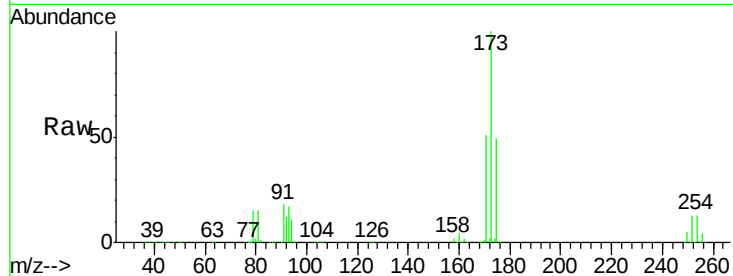
175 49.1 24.7 74.1

254 0.2 0.2 0.2

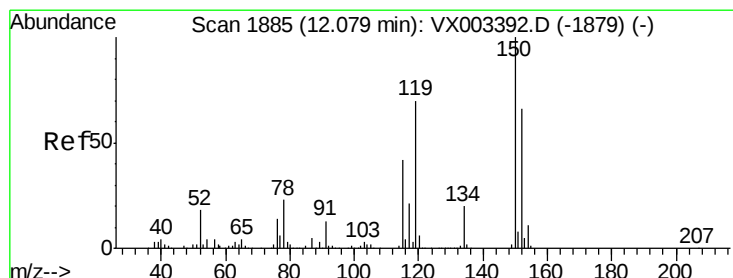
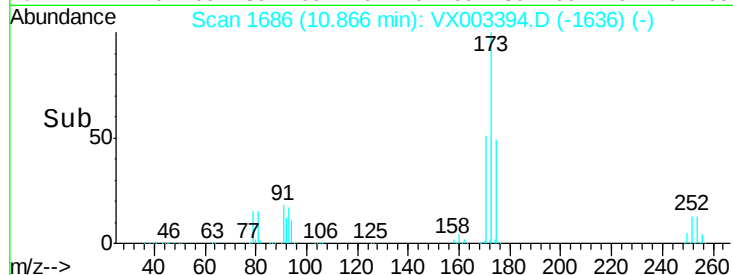
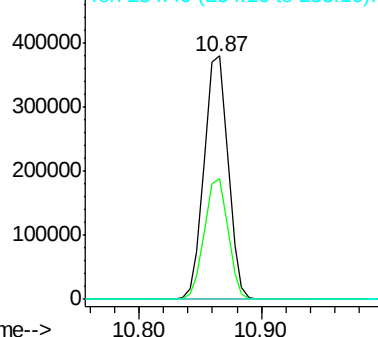
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

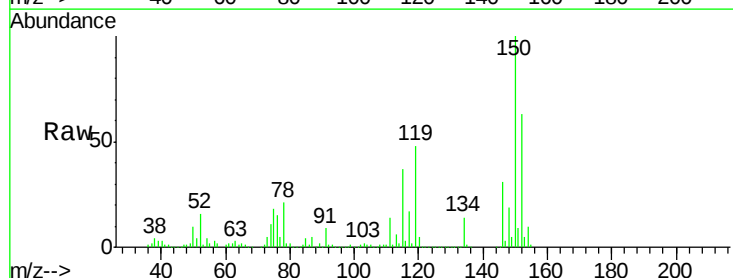
Tgt Ion:152 Resp: 276551

Ion Ratio Lower Upper

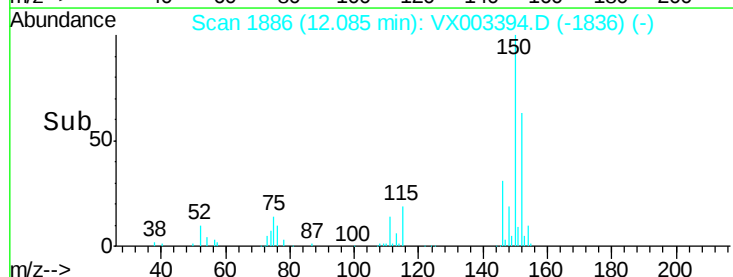
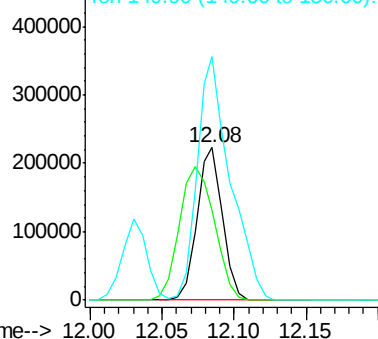
152 100

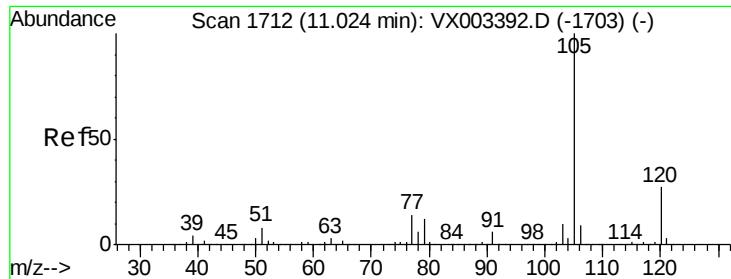
115 119.5 40.1 120.2

150 206.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 137.19 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:105 Resp: 2623469

Ion Ratio Lower Upper

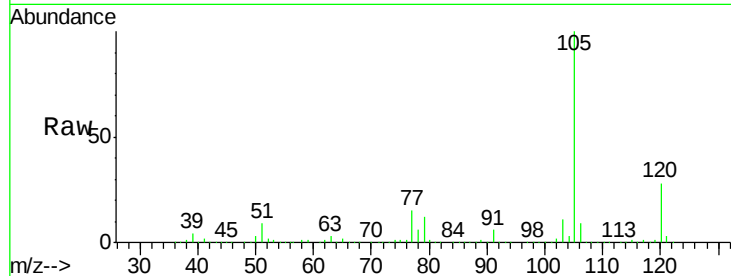
105 100

120 27.3 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

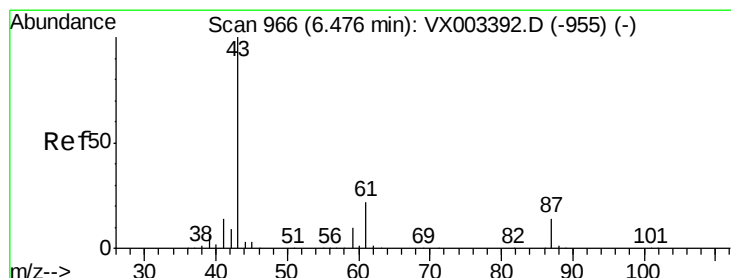
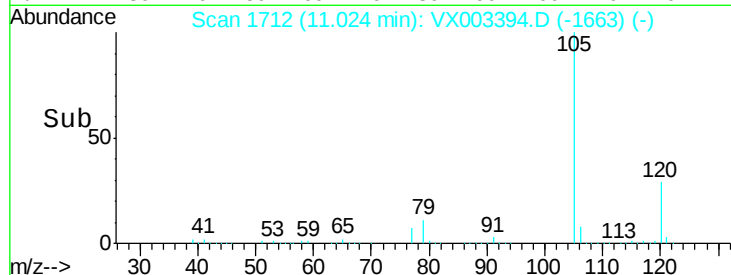
1500000

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 136.65 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Tgt Ion: 43 Resp: 1211200

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.7 14.4 21.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

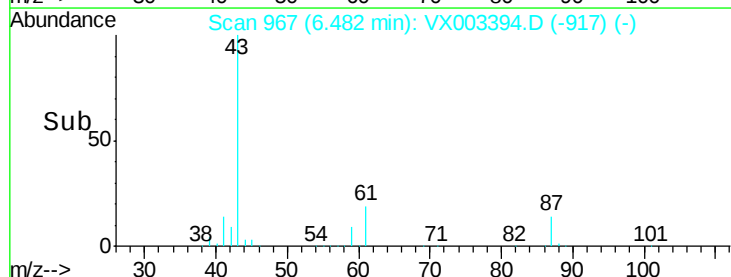
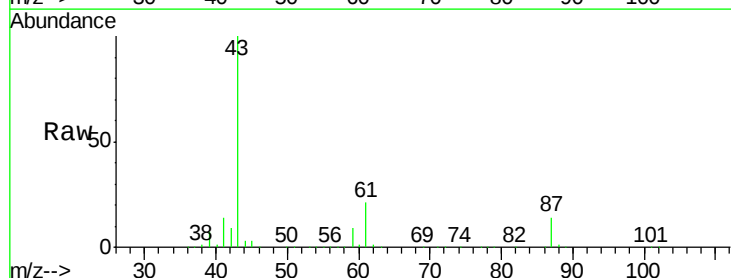
600000

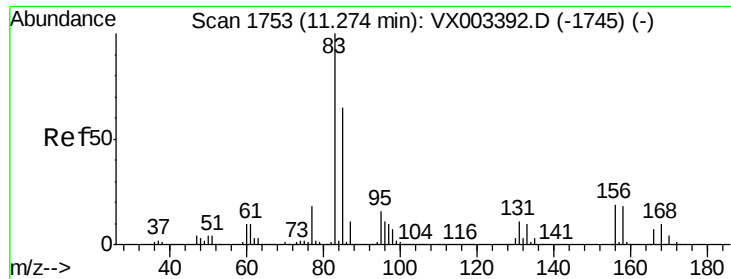
400000

200000

0

Time--> 6.30 6.40 6.50 6.60 6.70





#75

1,1,2,2-Tetrachloroethane

Concen: 137.12 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 855976

Ion Ratio Lower Upper

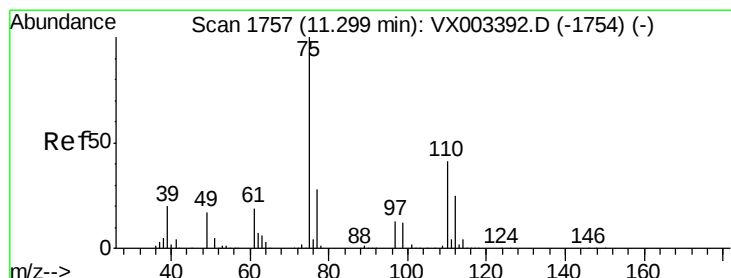
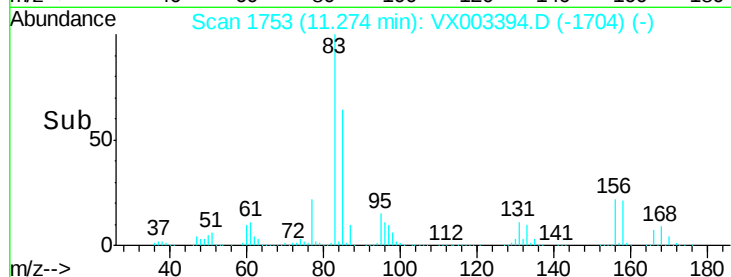
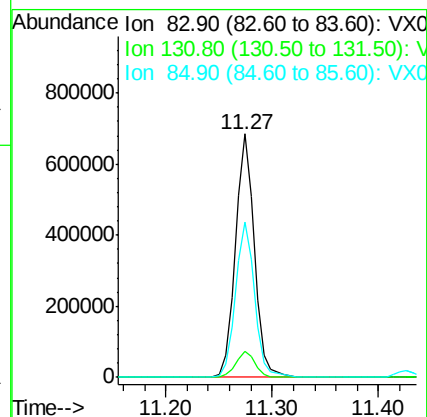
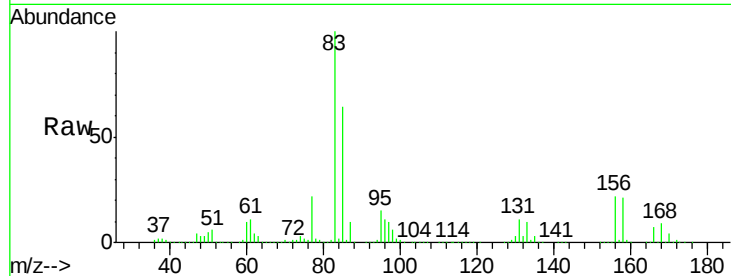
83 100

131 10.6 5.6 16.8

85 64.6 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 127.50 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VX003394.D

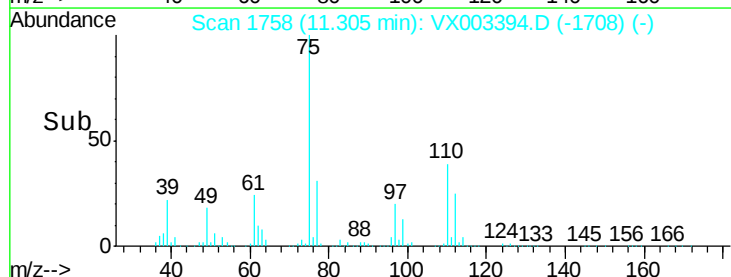
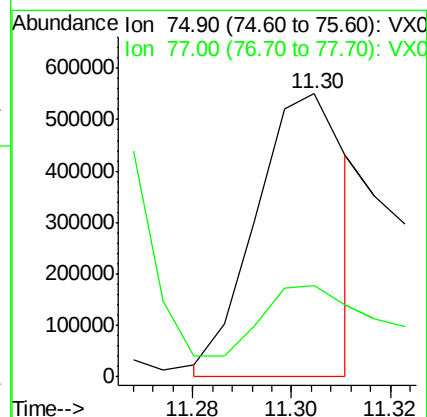
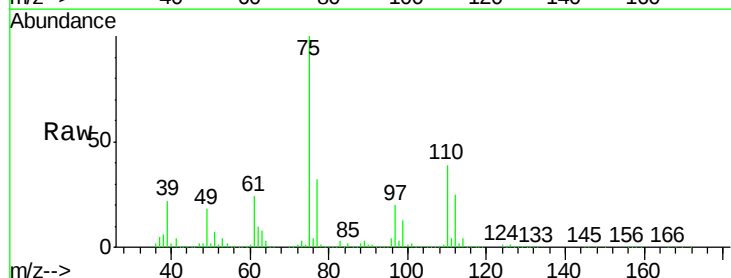
Acq: 16 Jul 2018 12:42

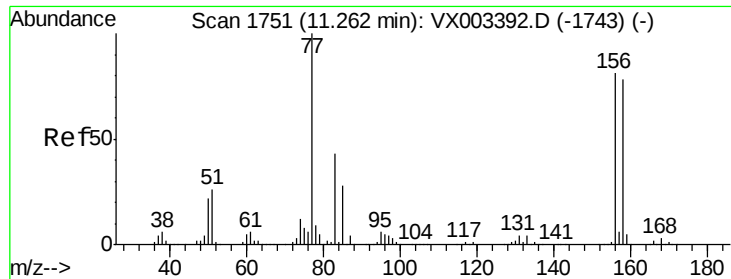
Tgt Ion: 75 Resp: 696615

Ion Ratio Lower Upper

75 100

77 48.2 22.8 68.3





#77

Bromobenzene

Concen: 135.61 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

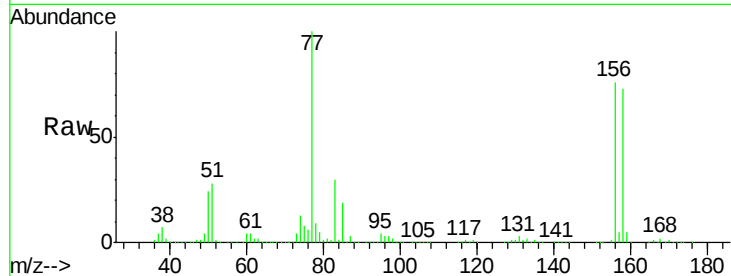
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	139.1	71.4	214.2	
158	97.0	48.9	146.6	

Manual Integrations
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7/17/2018 1:46:33 PM

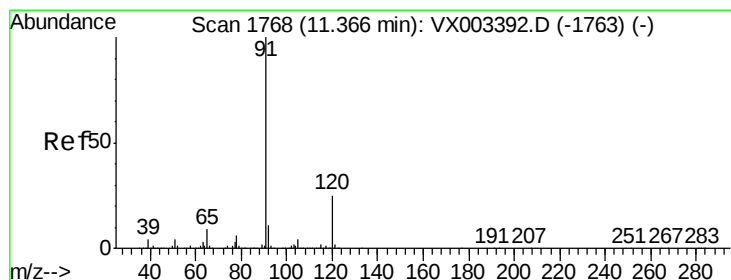
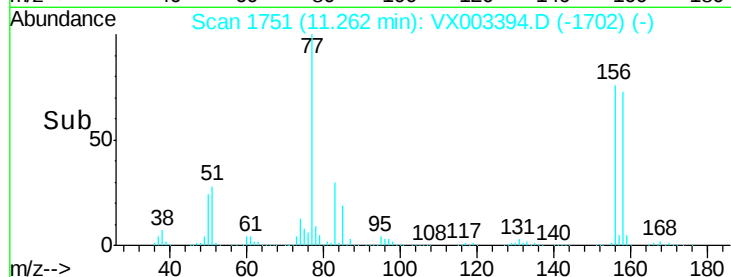
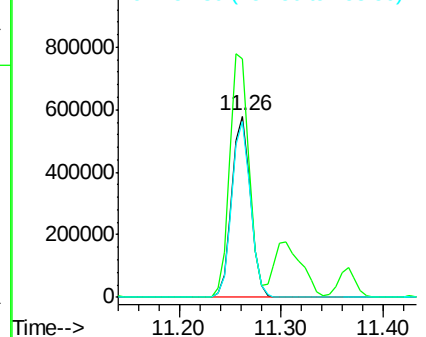


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 138.96 ug/l

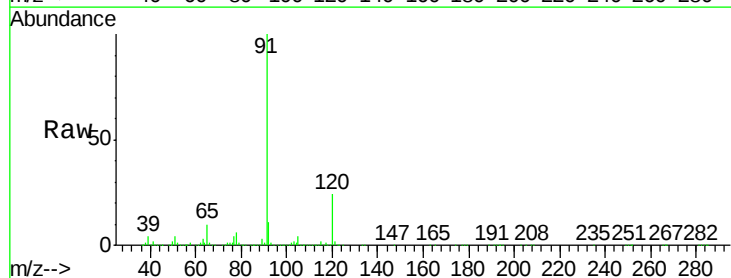
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

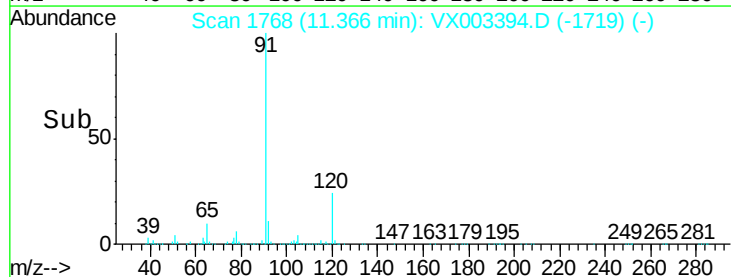
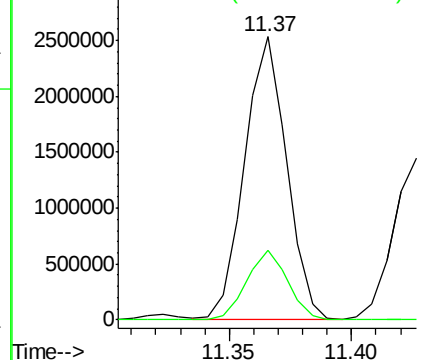
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.2	11.8	35.4	

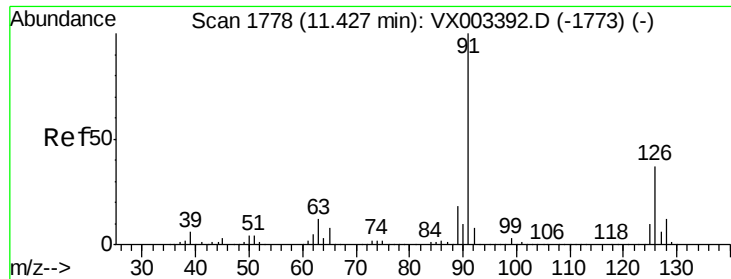


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





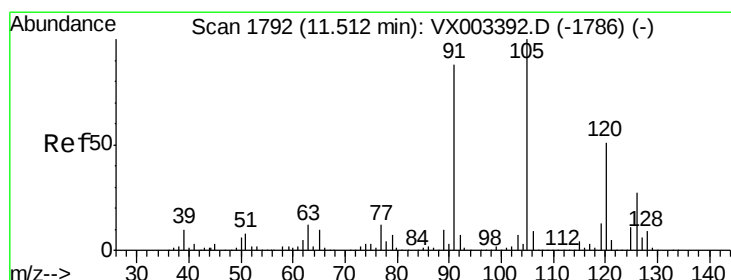
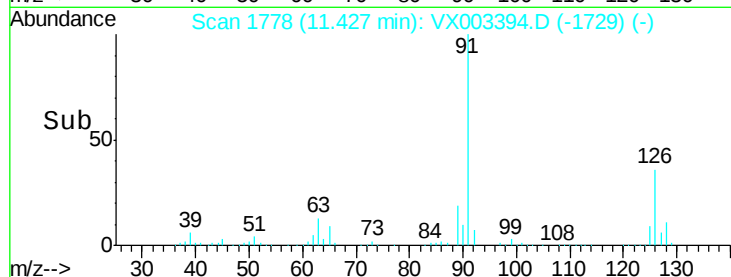
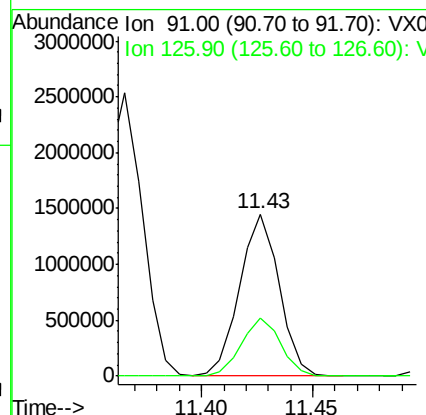
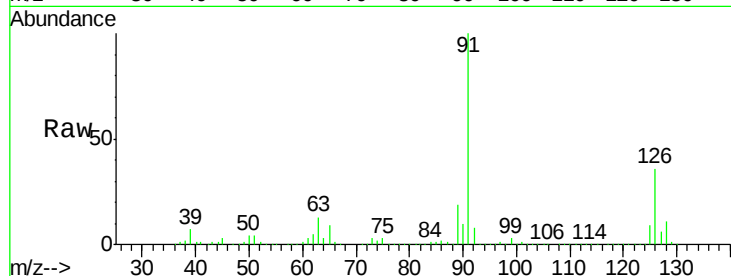
#79
 2-Chlorotoluene
 Concen: 134.28 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1792691
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.7 53.1

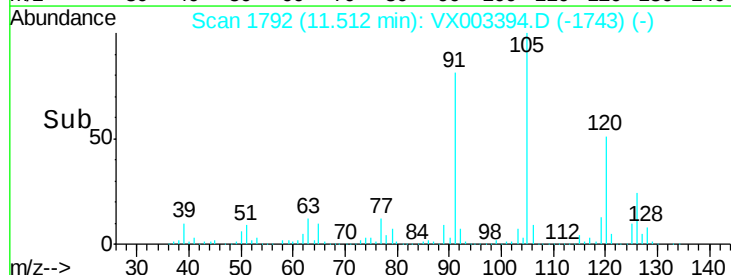
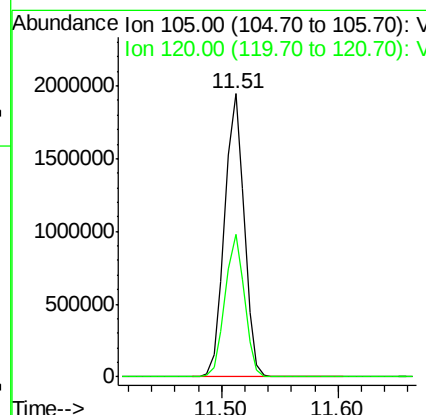
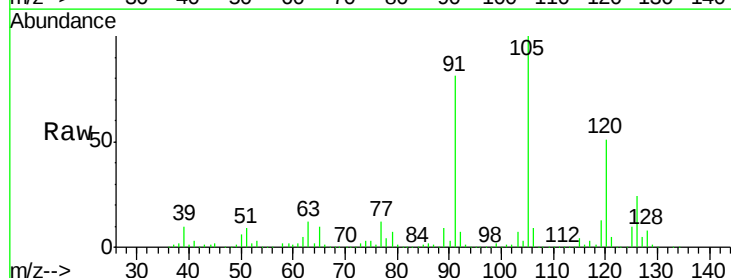
Manual Integrations
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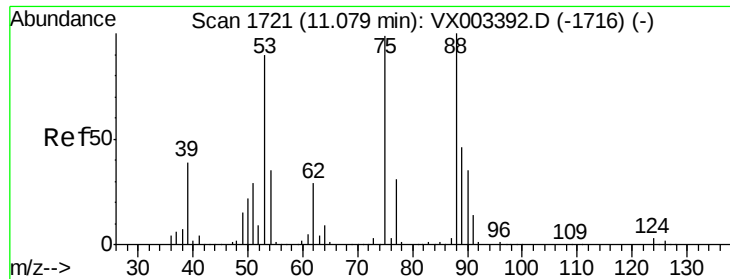
MMDadoda
 7/17/2018 1:46:33 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 141.67 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Tgt Ion: 105 Resp: 2245111
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 162.69 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 266608

Ion Ratio Lower Upper

75 100

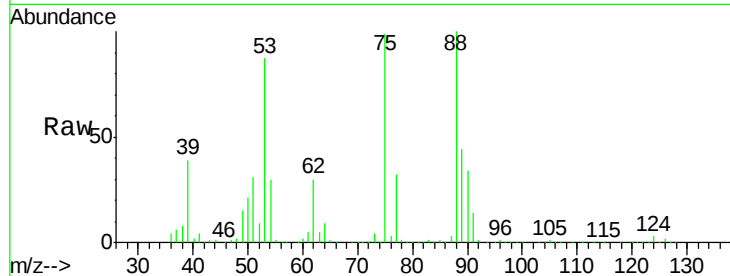
53 88.4 86.8 130.2

89 45.1 38.2 57.2

Manual Integrations
APPROVED

MMDadoda

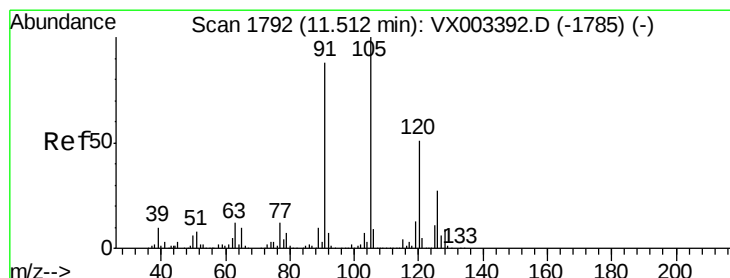
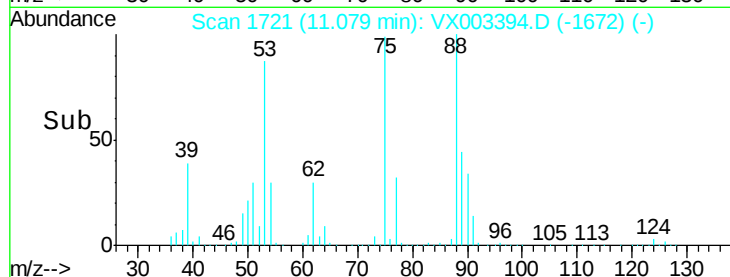
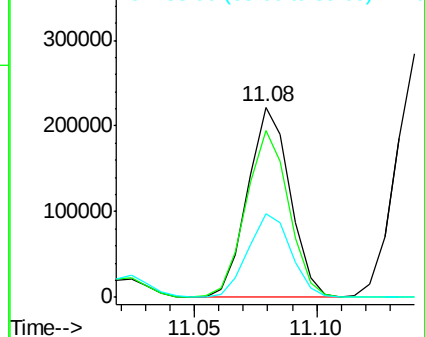
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 137.12 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX003394.D

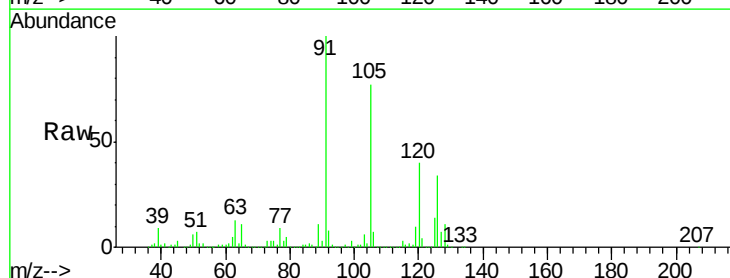
Acq: 16 Jul 2018 12:42

Tgt Ion: 91 Resp: 2132755

Ion Ratio Lower Upper

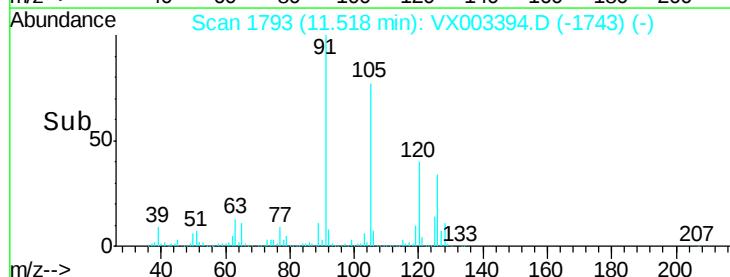
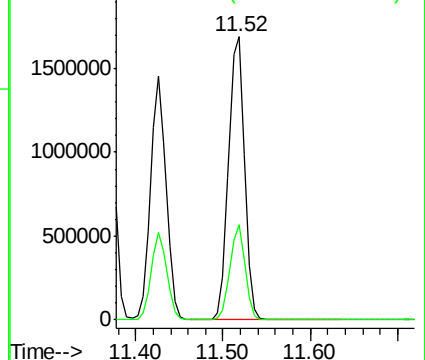
91 100

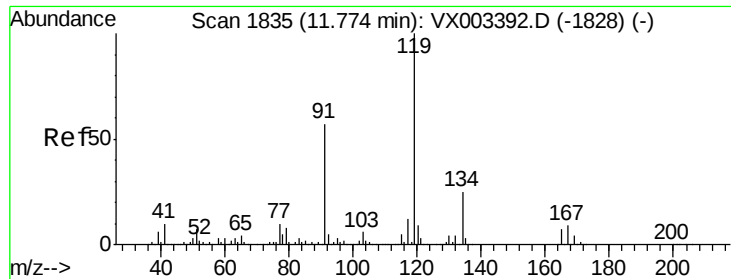
126 31.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





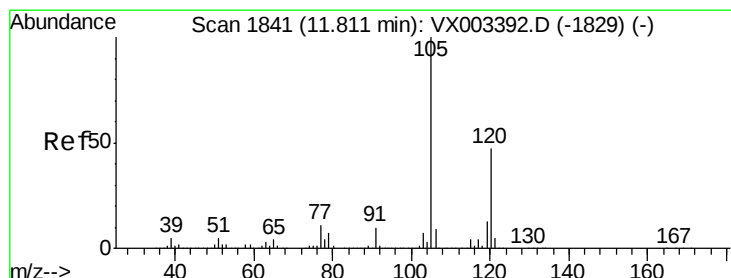
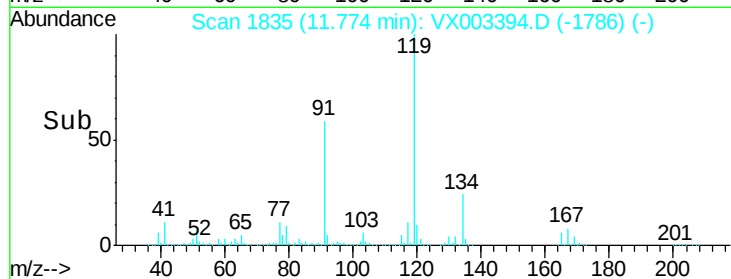
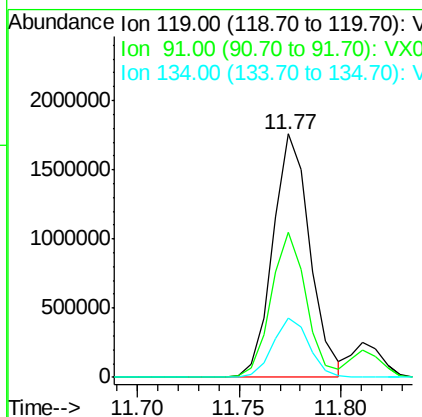
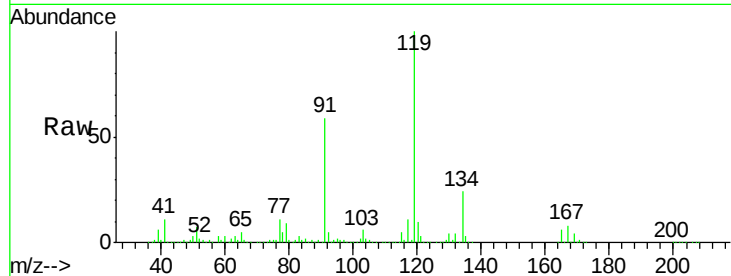
#83
 tert-Butylbenzene
 Concen: 141.89 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	30.3	90.9
134	23.7	11.7	35.1

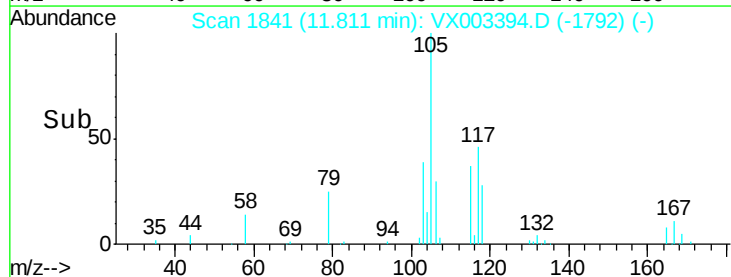
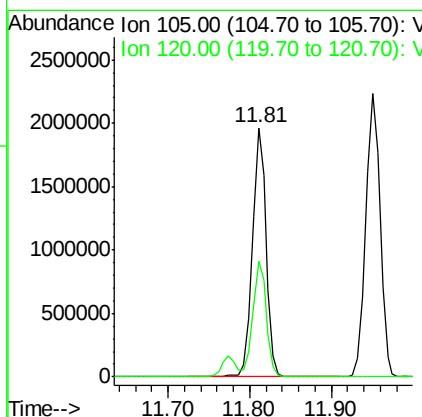
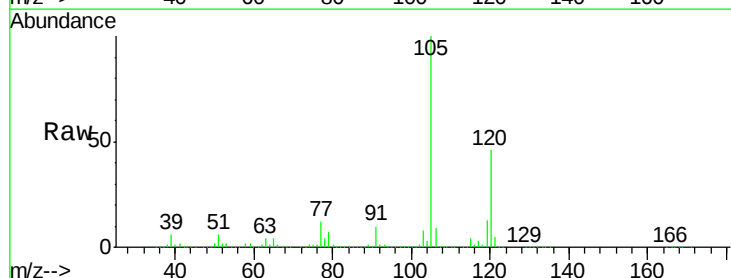
Manual Integrations
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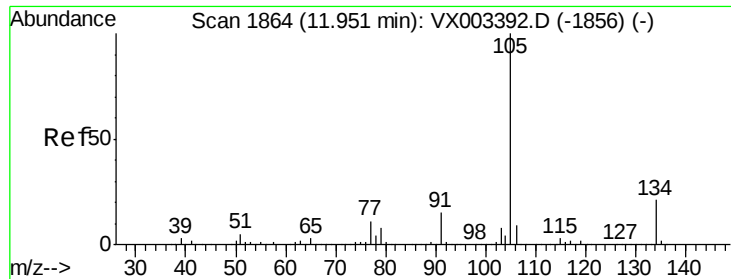
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 143.62 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.8





#85

sec-Butylbenzene

Concen: 142.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 2676129

Ion Ratio Lower Upper

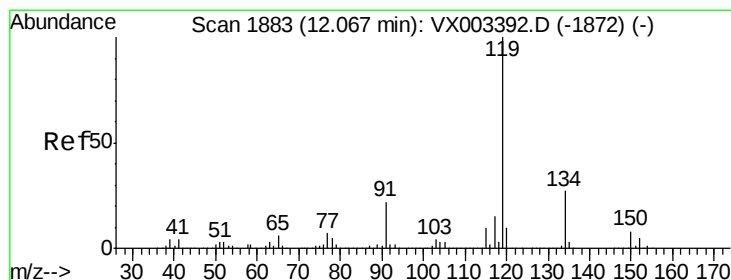
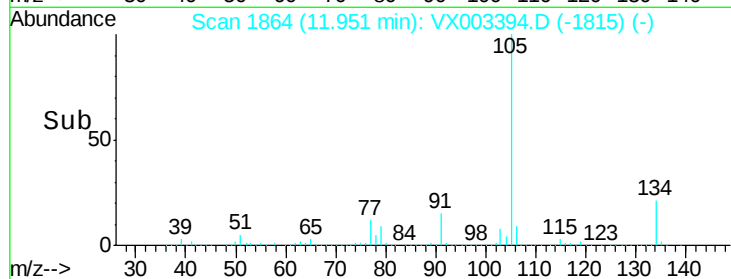
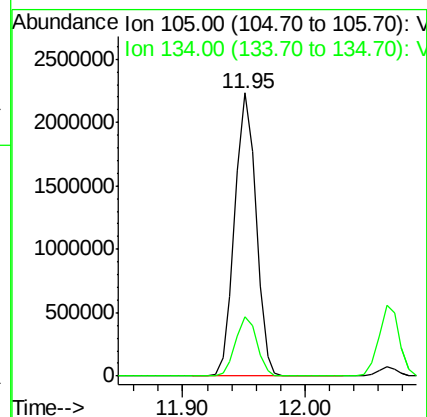
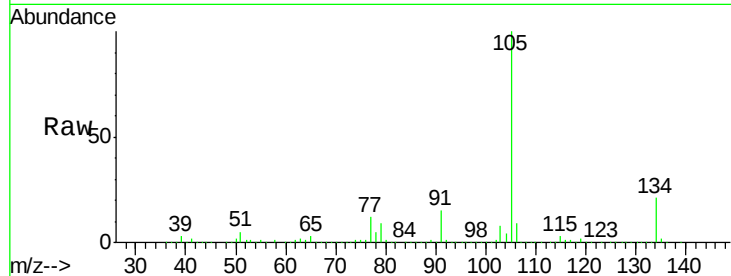
105 100

134 21.1 10.4 31.1

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 143.77 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

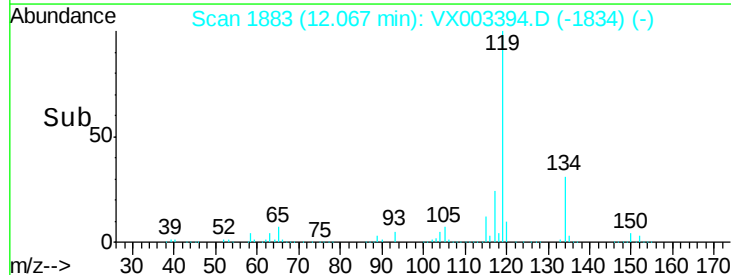
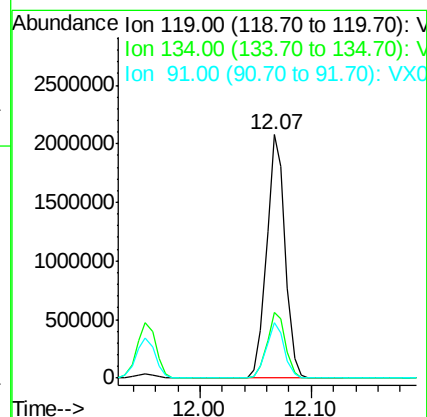
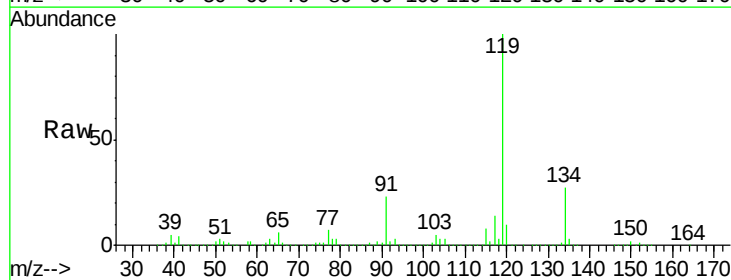
Tgt Ion:119 Resp: 2411944

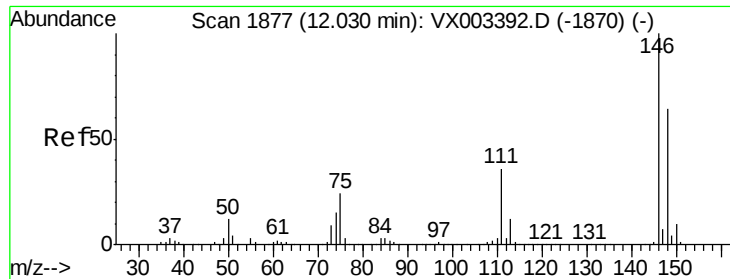
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.2 11.9 35.7





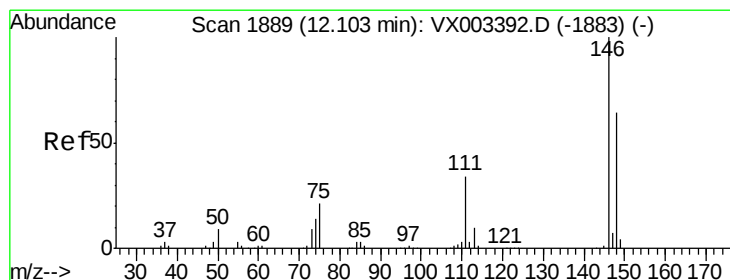
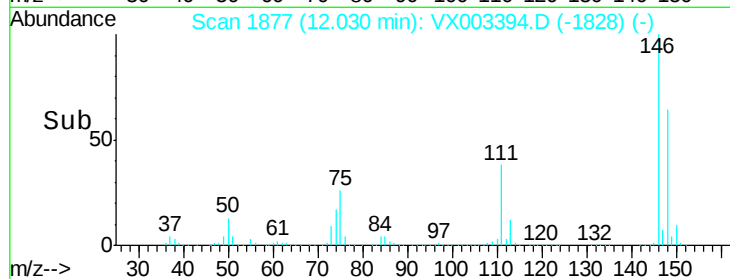
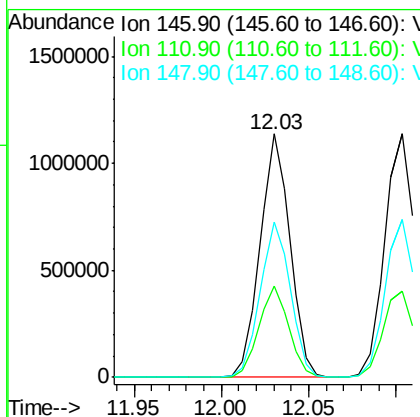
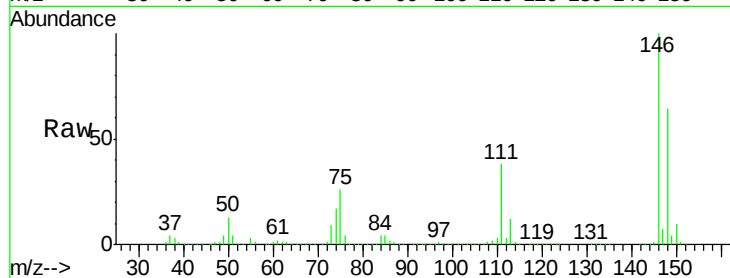
#87
 1,3-Dichlorobenzene
 Concen: 134.20 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1353823
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.7
 148 64.5 32.1 96.3

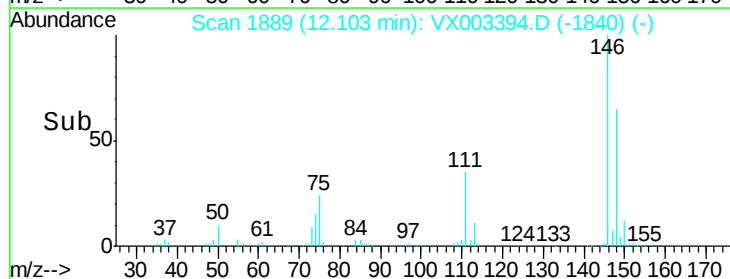
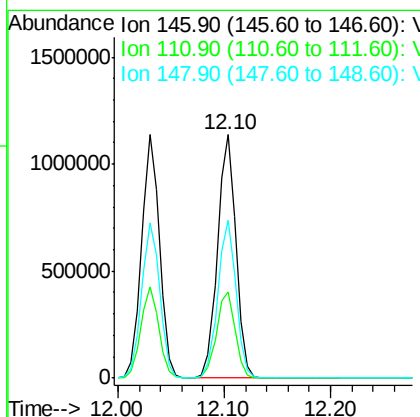
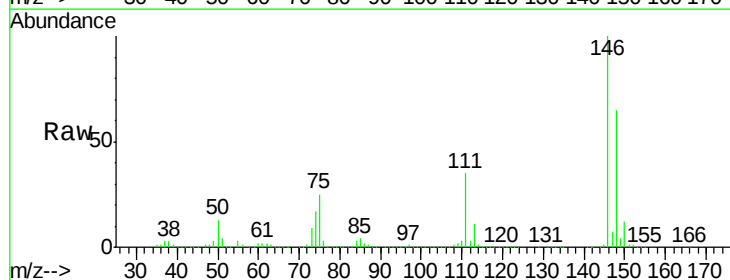
Manual Integrations
 APPROVED

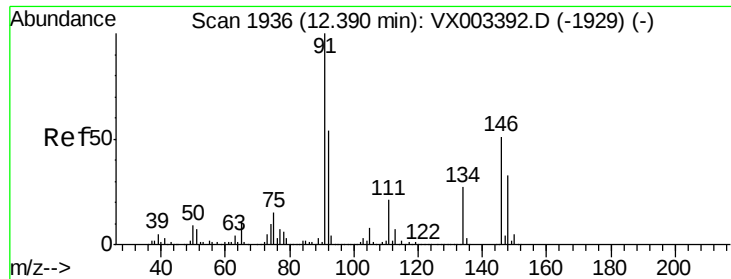
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#88
 1,4-Dichlorobenzene
 Concen: 133.00 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Tgt Ion:146 Resp: 1362271
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.7 56.1
 148 64.2 32.4 97.0





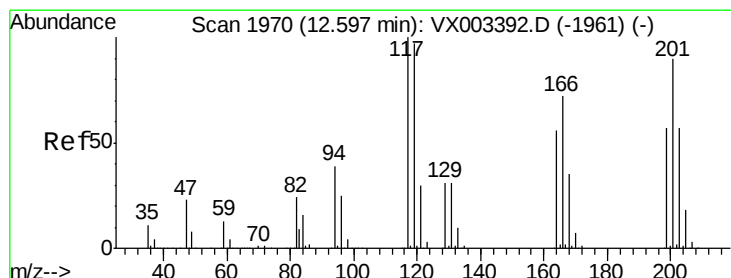
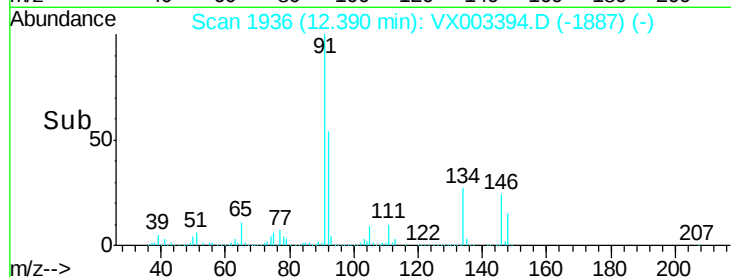
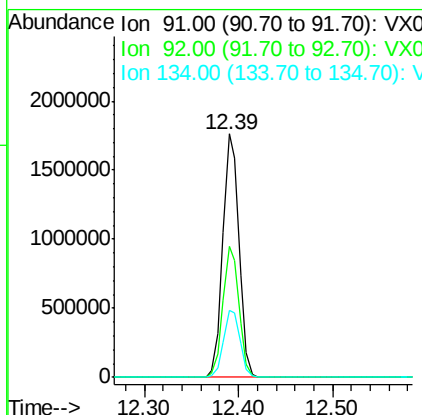
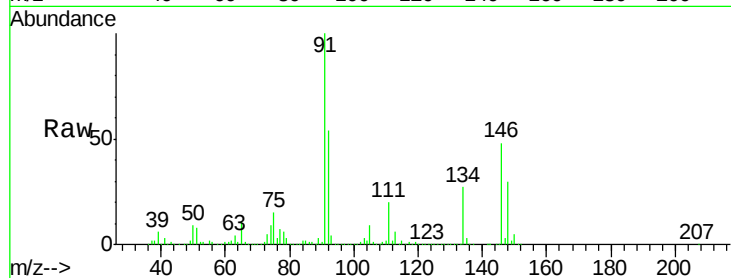
#89
n-Butylbenzene
Concen: 145.70 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2091626
Ion Ratio Lower Upper
91 100
92 53.3 26.0 78.0
134 28.0 13.5 40.5

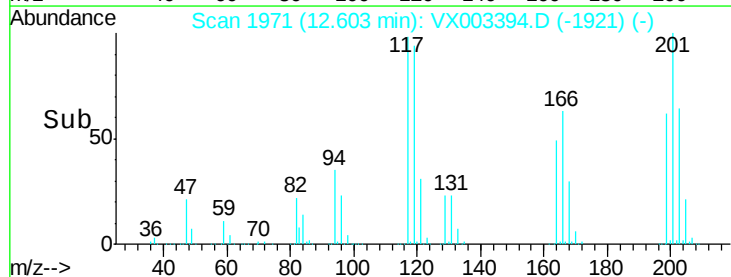
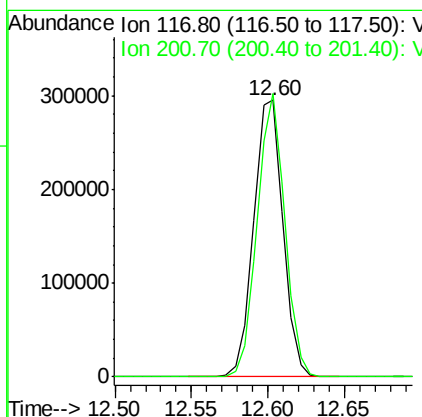
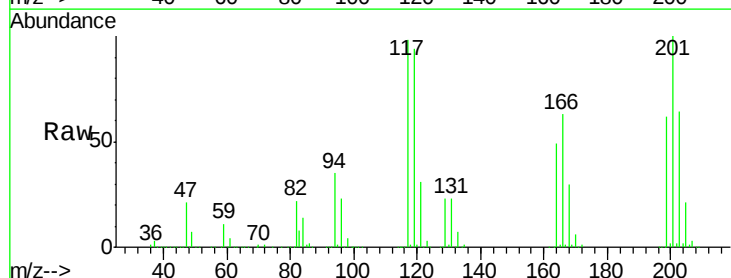
Manual Integrations
APPROVED

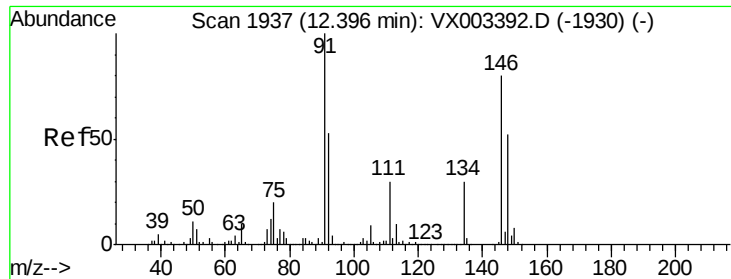
MMDadoda
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#90
Hexachloroethane
Concen: 156.14 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion: 117 Resp: 392660
Ion Ratio Lower Upper
117 100
201 96.6 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 134.72 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1360144

Ion Ratio Lower Upper

146 100

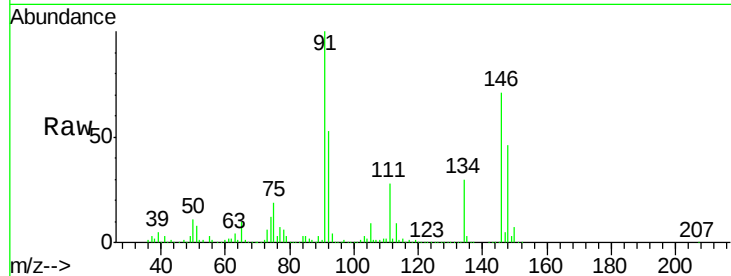
111 39.0 19.4 58.1

148 64.4 31.7 95.1

Manual Integrations
APPROVED

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7/17/2018 1:46:33 PM

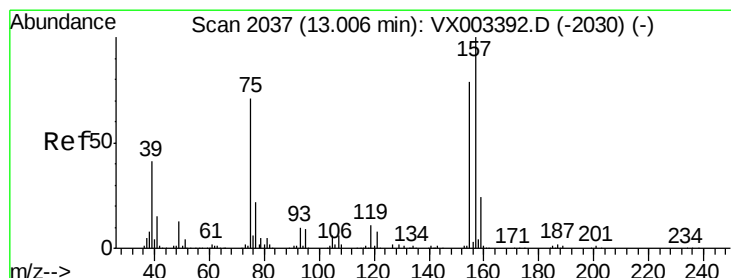
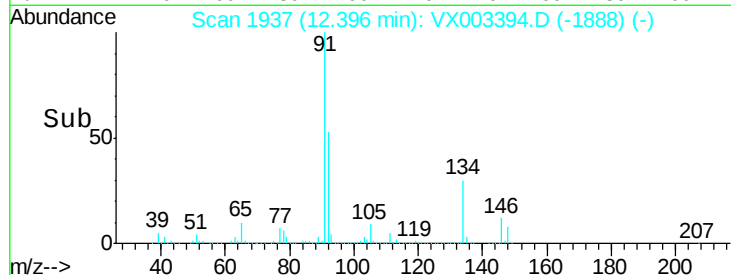
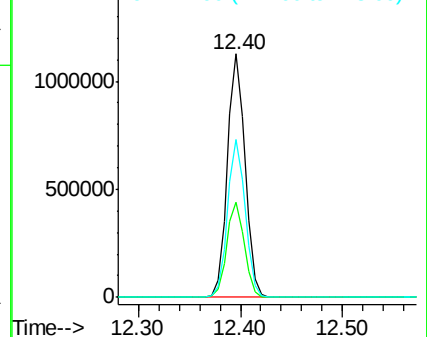


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 161.27 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003394.D

Acq: 16 Jul 2018 12:42

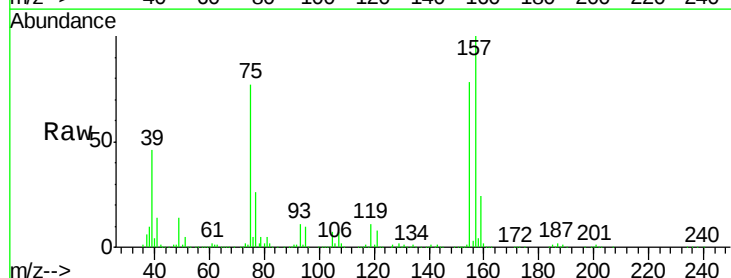
Tgt Ion: 75 Resp: 199630

Ion Ratio Lower Upper

75 100

155 100.5 45.8 137.4

157 129.3 60.1 180.3

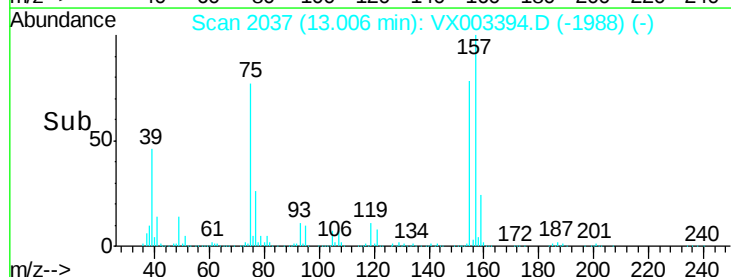
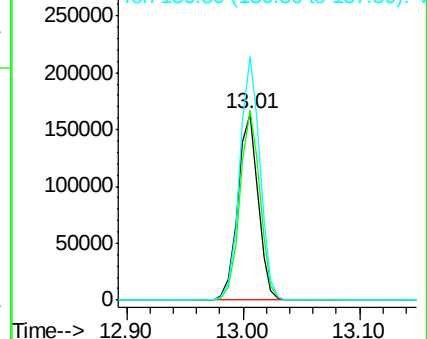


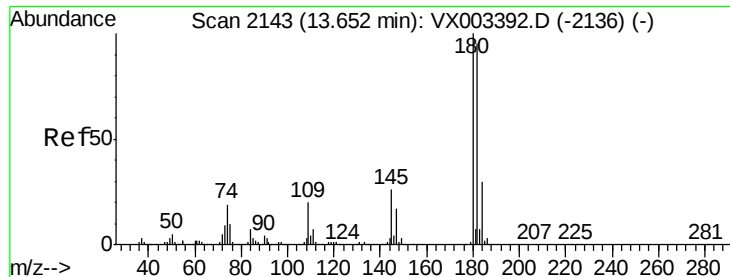
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





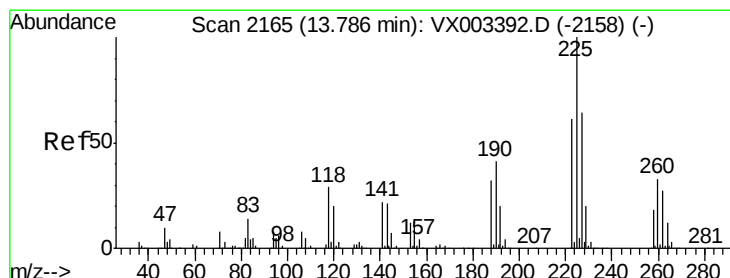
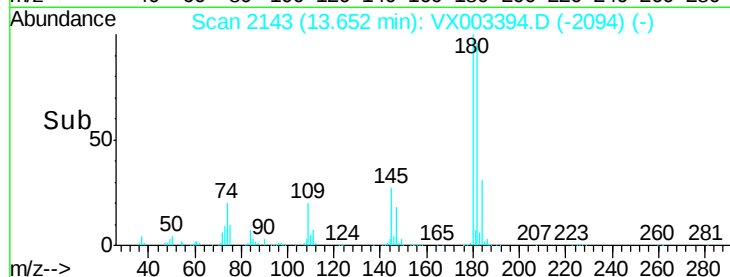
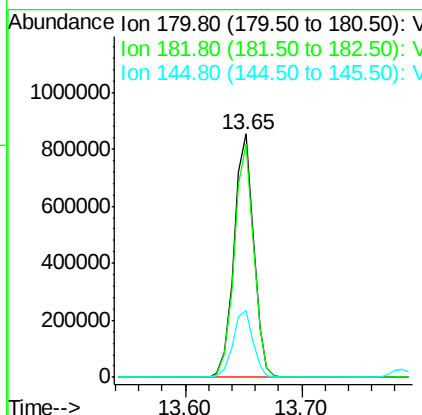
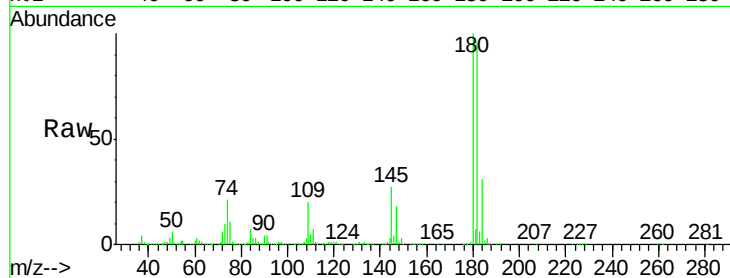
#93
 1,2,4-Trichlorobenzene
 Concen: 145.27 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	28.0	14.1	42.4

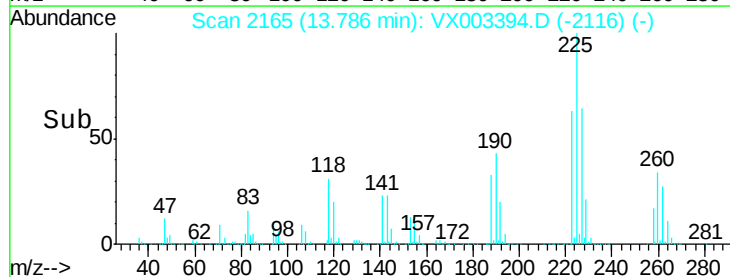
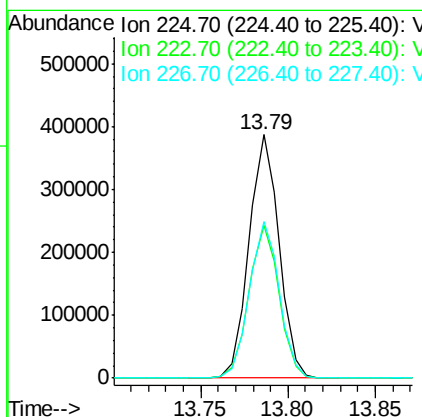
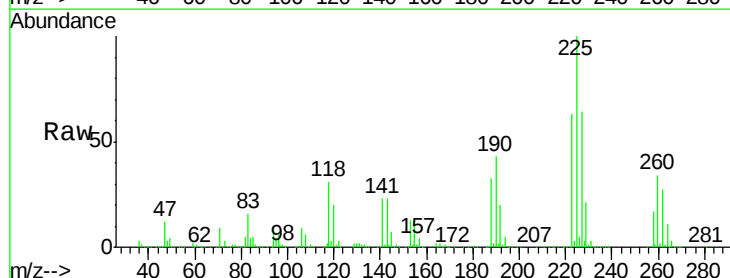
Manual Integrations
 APPROVED

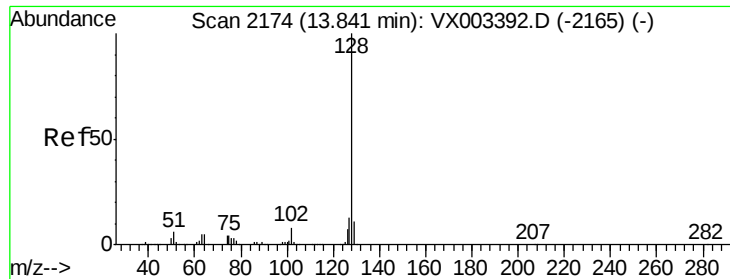
MMDadoda
 7/17/2018 1:46:33 PM



#94
 Hexachlorobutadiene
 Concen: 141.30 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003394.D
 Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	95.0
227	64.2	32.4	97.2





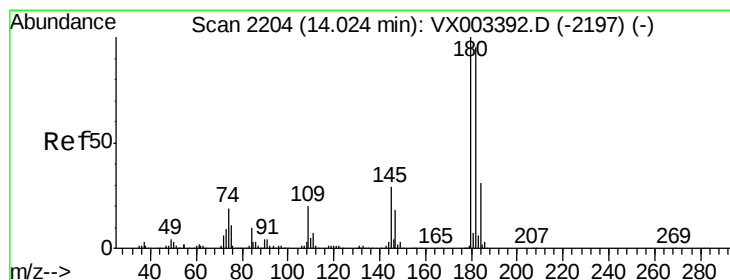
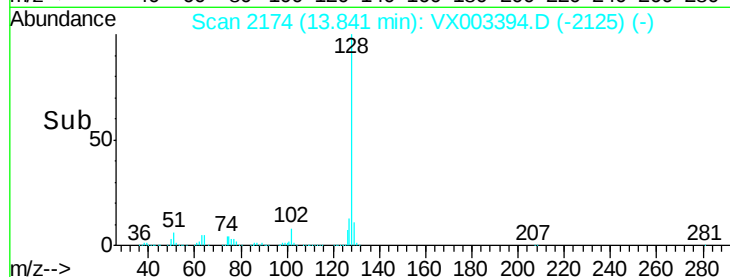
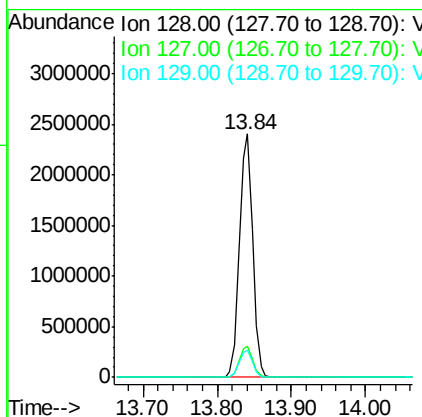
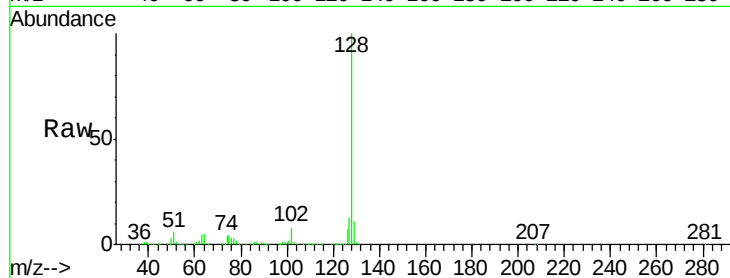
#95
Naphthalene
Concen: 154.42 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 143.64 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003394.D
Acq: 16 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.0
145	29.6	14.8	44.3

