

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072418\
 Data File : VX003647.D
 Acq On : 24 Jul 2018 18:28
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 11:54:18 AM

Quant Time: Jul 25 04:24:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 03:58:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	114724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	171204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	245719	171.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	343.42%	
35) Dibromofluoromethane	5.50	113	206431	154.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.50%	
50) Toluene-d8	8.72	98	780176	155.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.84%	
62) 4-Bromofluorobenzene	11.14	95	306933	167.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	335.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	187103	170.181	ug/l	94
3) Chloromethane	1.32	50	244608	177.534	ug/l	96
4) Vinyl Chloride	1.40	62	250699	167.375	ug/l	97
5) Bromomethane	1.63	94	127385	147.340	ug/l	94
6) Chloroethane	1.70	64	110666	122.252	ug/l	98
7) Trichlorofluoromethane	1.91	101	316303	157.503	ug/l	98
8) Diethyl Ether	2.19	74	143016	165.947	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	196440	151.003	ug/l	99
10) Methyl Iodide	2.50	142	292272	184.947	ug/l	99
11) Tert butyl alcohol	3.10	59	310724	1054.474	ug/l	99
12) 1,1-Dichloroethene	2.36	96	192709	160.599	ug/l	99
13) Acrolein	2.29	56	155519	1108.940	ug/l	97
14) Allyl chloride	2.72	41	390607	177.678	ug/l	98
15) Acrylonitrile	3.16	53	703661	958.663	ug/l	97
16) Acetone	2.46	43	565405	1010.661	ug/l	99
17) Carbon Disulfide	2.56	76	574471	160.825	ug/l	100
18) Methyl Acetate	2.78	43	337773	193.483	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	677515	170.180	ug/l	97
20) Methylene Chloride	2.85	84	223587	150.217	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	207946	155.646	ug/l	99
22) Diisopropyl ether	3.88	45	729768	177.252	ug/l	89
23) Vinyl Acetate	3.83	43	3205133	936.445	ug/l	99
24) 1,1-Dichloroethane	3.69	63	398261	167.464	ug/l	99
25) 2-Butanone	4.72	43	898066	971.571	ug/l	94
26) 2,2-Dichloropropane	4.58	77	255622	145.441	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	225855	152.885	ug/l	93
28) Bromochloromethane	5.02	49	153550	150.756	ug/l	97
29) Tetrahydrofuran	5.18	42	595929	970.271	ug/l	98
30) Chloroform	5.22	83	377327	164.162	ug/l	97
31) Cyclohexane	5.57	56	347548	165.400	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	322275	163.740	ug/l	98
36) 1,1-Dichloropropene	5.79	75	294292	156.696	ug/l	99
37) Ethyl Acetate	4.87	43	341032	183.617	ug/l	100
38) Carbon Tetrachloride	5.78	117	286236	156.254	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	339420	152.614	ug/l	99
40) Benzene	6.15	78	880034	154.555	ug/l	100
41) Methacrylonitrile	5.08	41	195020	179.410	ug/l	98
42) 1,2-Dichloroethane	6.20	62	295578	161.695	ug/l	98
43) Isopropyl Acetate	6.48	43	545945	185.985	ug/l	99
44) Trichloroethene	7.21	130	226819	136.341	ug/l	98
45) 1,2-Dichloropropane	7.52	63	226778	156.352	ug/l	100
46) Dibromomethane	7.66	93	145772	156.660	ug/l	99
47) Bromodichloromethane	7.90	83	284850	166.556	ug/l	99
48) Methyl methacrylate	7.79	41	280877	189.470	ug/l	100
49) 1,4-Dioxane	7.77	88	127023	3801.035	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1864491	996.397	ug/l	99
52) Toluene	8.79	92	545551	152.987	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	399687	190.468	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	336852	178.017	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	224567	157.380	ug/l	99
56) Ethyl methacrylate	9.19	69	381877	187.909	ug/l	99
57) 1,3-Dichloropropane	9.38	76	387166	166.955	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	929427	930.269	ug/l	98
59) 2-Hexanone	9.51	43	1476450	1056.113	ug/l	98
60) Dibromochloromethane	9.59	129	237095	169.068	ug/l	98
61) 1,2-Dibromoethane	9.68	107	242094	163.784	ug/l	96
64) Tetrachloroethene	9.34	164	224852	114.681	ug/l	87
65) Chlorobenzene	10.14	112	620918	143.834	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	226201	152.340	ug/l	100
67) Ethyl Benzene	10.26	91	1083239	154.728	ug/l	100
68) m/p-Xylenes	10.37	106	842175	307.927	ug/l	99
69) o-Xylene	10.70	106	409745	155.182	ug/l	100
70) Styrene	10.71	104	709569	162.886	ug/l	100
71) Bromoform	10.86	173	203869	176.426	ug/l #	99
73) Isopropylbenzene	11.02	105	1086649	142.357	ug/l	100
74) N-amyl acetate	6.48	43	545945	162.231	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	394628	170.325	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	322864m	158.728	ug/l	
77) Bromobenzene	11.26	156	292439	134.510	ug/l	99
78) n-propylbenzene	11.37	91	1275228	149.159	ug/l	99
79) 2-Chlorotoluene	11.43	91	753656	145.321	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	953284	151.048	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	129001	201.075	ug/l	95
82) 4-Chlorotoluene	11.51	91	910141	149.510	ug/l	100
83) tert-Butylbenzene	11.77	119	939185	152.186	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	980471	152.546	ug/l	99
85) sec-Butylbenzene	11.95	105	1108787	148.139	ug/l	99
86) p-Isopropyltoluene	12.07	119	1004921	149.799	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	553937	137.952	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	566885	136.815	ug/l	100
89) n-Butylbenzene	12.39	91	929945	161.966	ug/l	100
90) Hexachloroethane	12.60	117	161416	167.673	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	572684	144.530	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	90844	198.055	ug/l	99

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VSTDICC150

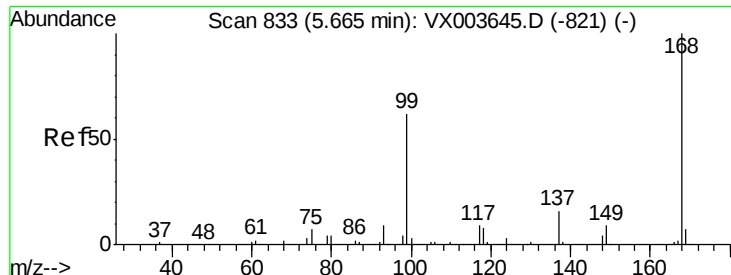
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	429123	148.023	ug/l	100
94) Hexachlorobutadiene	13.79	225	188210	136.412	ug/l	99
95) Naphthalene	13.84	128	1332653	170.733	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	429835	148.926	ug/l	100

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



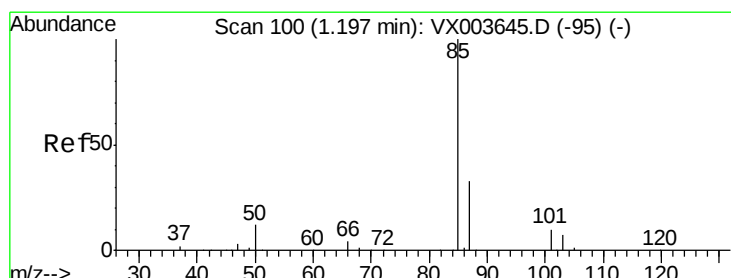
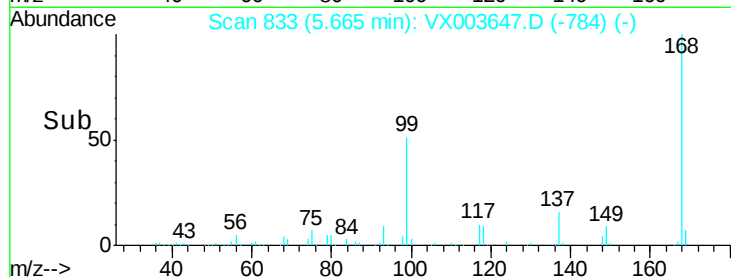
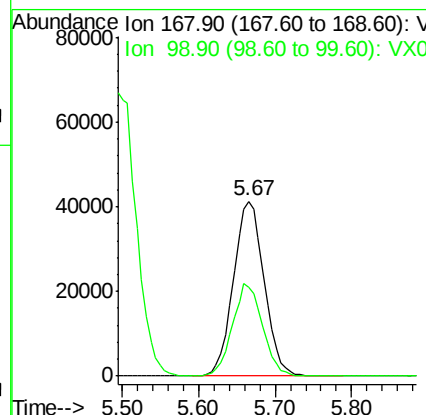
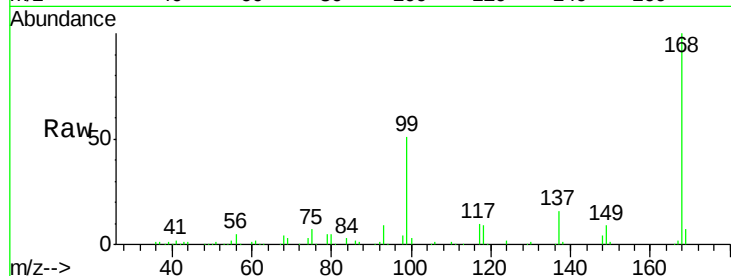
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:168 Resp: 114724
Ion Ratio Lower Upper
168 100
99 50.6 49.5 74.3

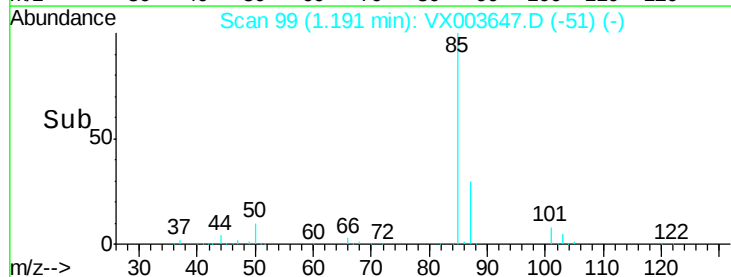
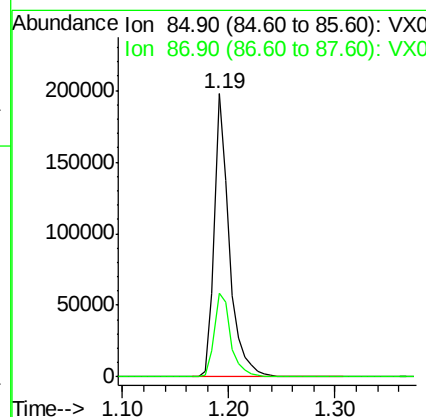
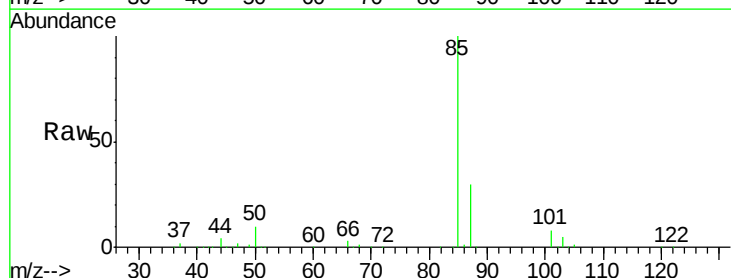
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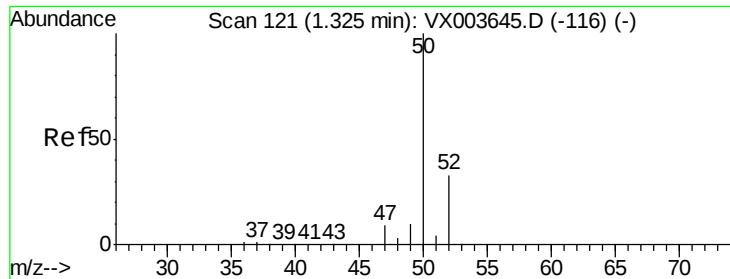
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#2
Dichlorodifluoromethane
Concen: 170.181 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion: 85 Resp: 187103
Ion Ratio Lower Upper
85 100
87 29.6 16.5 49.5





#3

Chloromethane

Concen: 177.534 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 244608

Ion Ratio Lower Upper

50 100

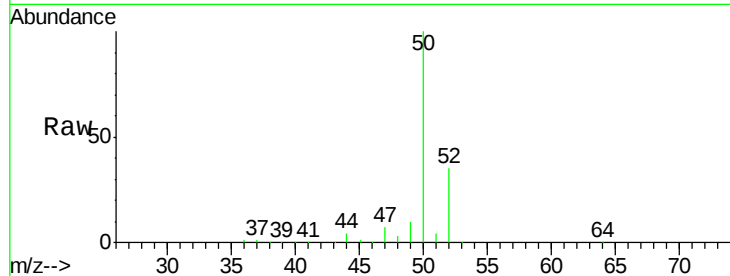
52 35.0 26.3 39.5

Manual Integrations

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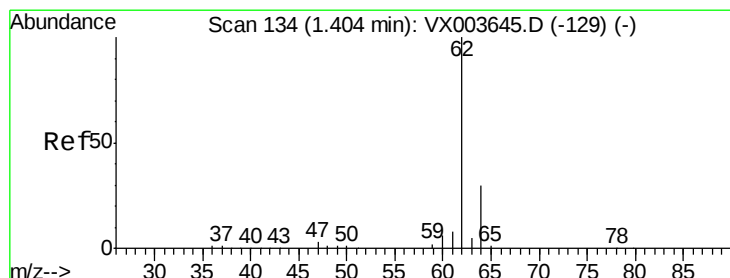
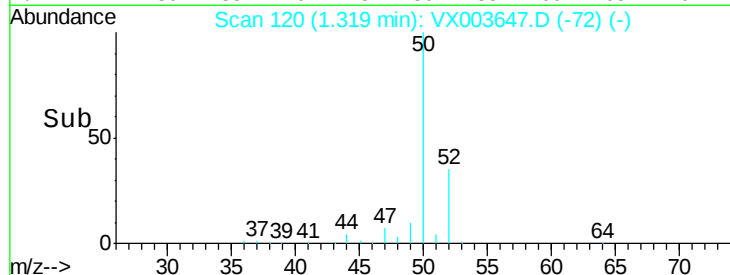
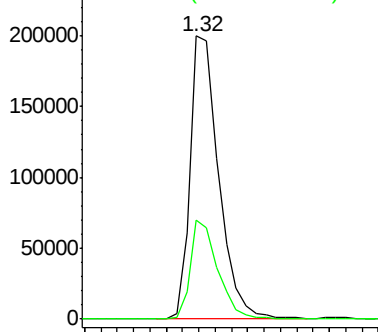
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 167.375 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003647.D

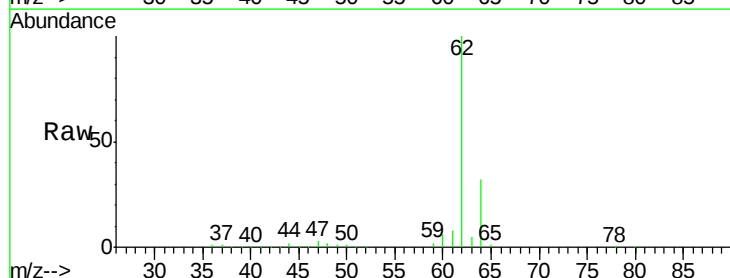
Acq: 24 Jul 2018 18:28

Tgt Ion: 62 Resp: 250699

Ion Ratio Lower Upper

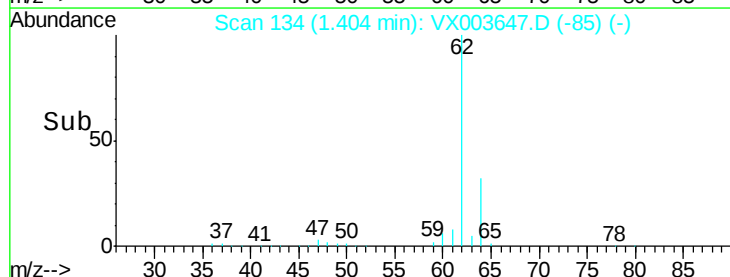
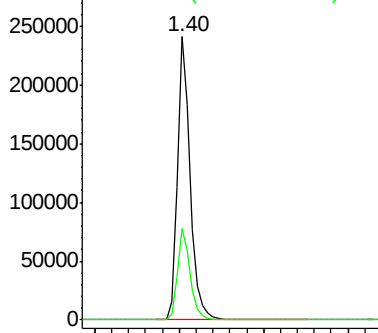
62 100

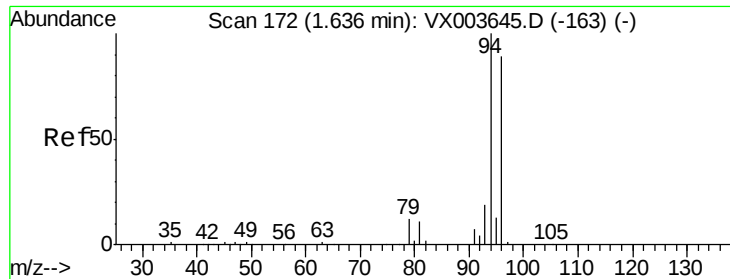
64 32.1 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 147.340 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 127385

Ion Ratio Lower Upper

94 100

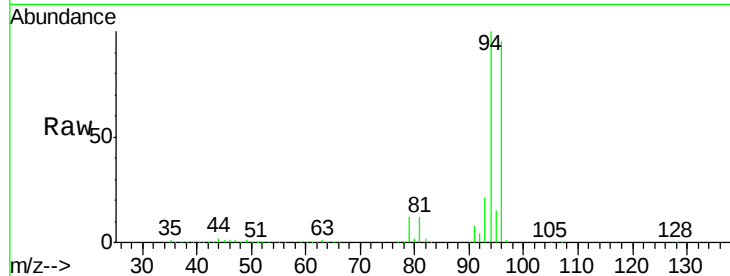
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Manual Integrations

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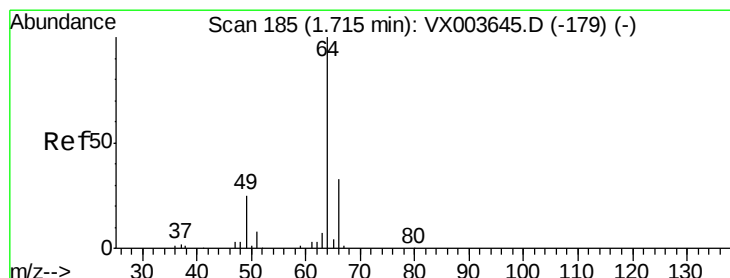
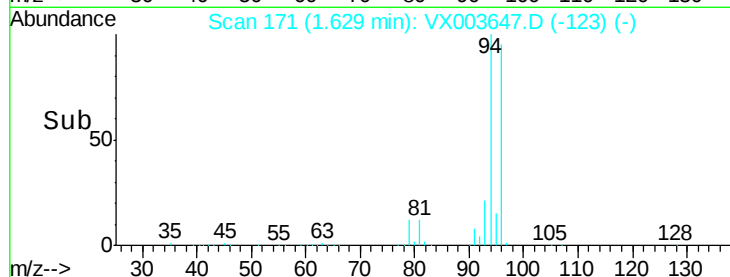
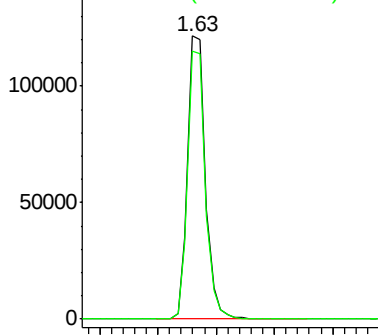
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 122.252 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003647.D

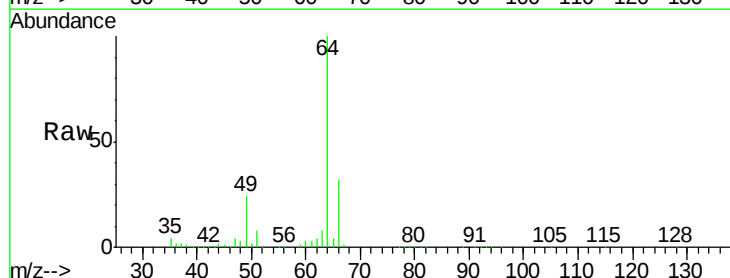
Acq: 24 Jul 2018 18:28

Tgt Ion: 64 Resp: 110666

Ion Ratio Lower Upper

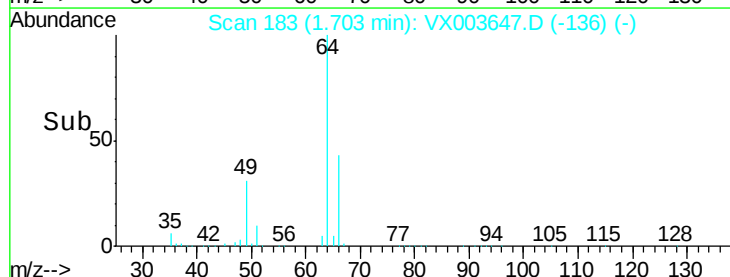
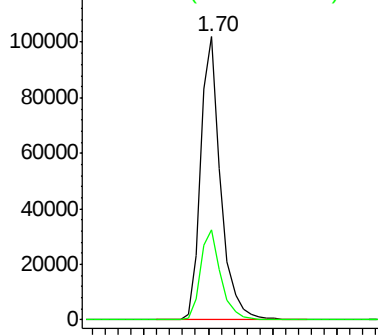
64 100

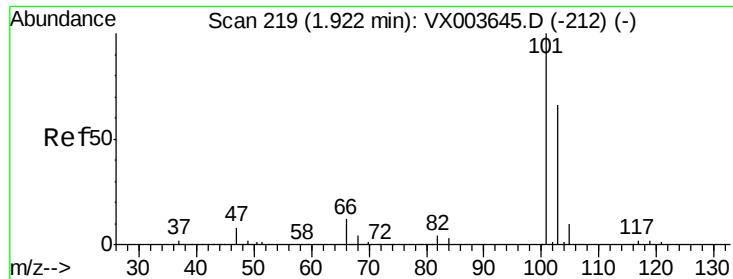
66 32.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

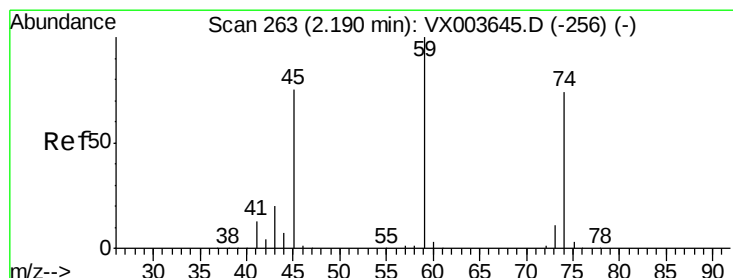
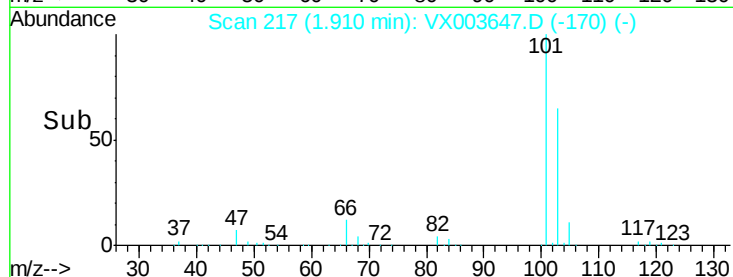
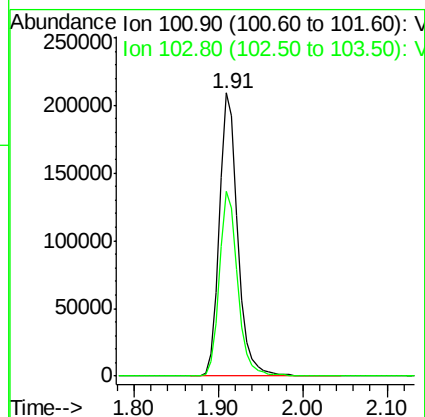
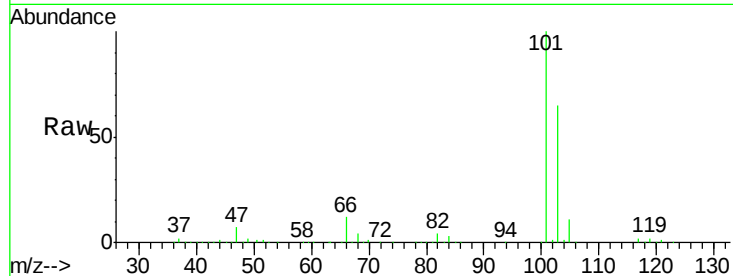
Trichlorofluoromethane
Concen: 157.503 ug/l
RT: 1.91 min Scan# 217
Delta R.T. -0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 316303
Ion Ratio Lower Upper
101 100
103 65.1 53.2 79.8

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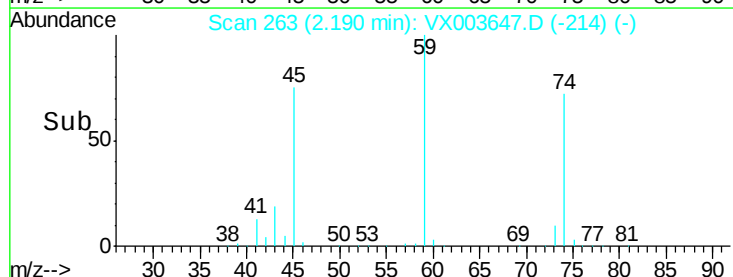
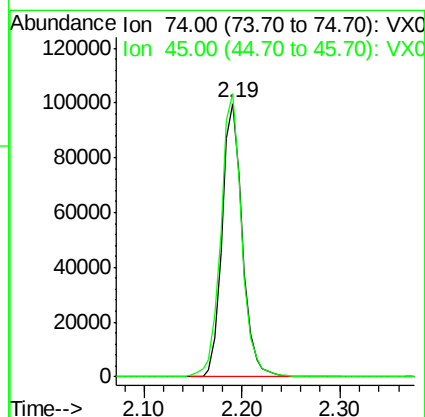
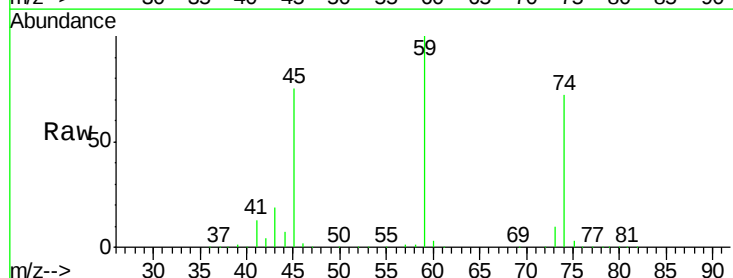
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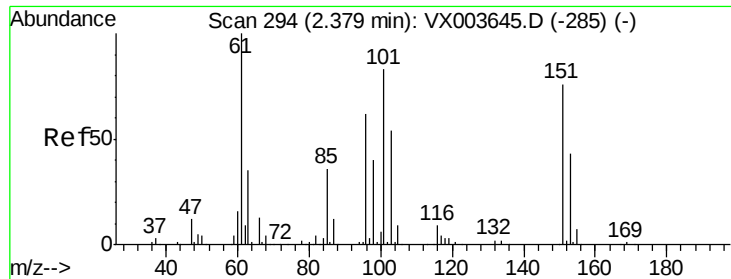


#8

Diethyl Ether
Concen: 165.947 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion: 74 Resp: 143016
Ion Ratio Lower Upper
74 100
45 107.5 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.003 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

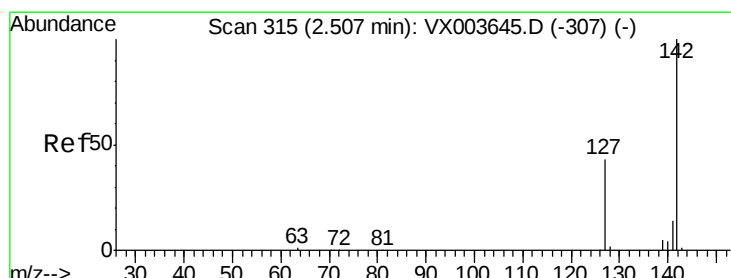
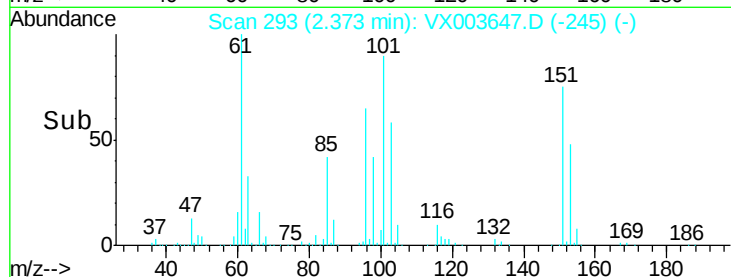
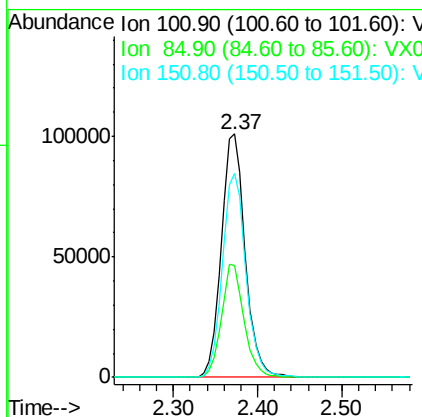
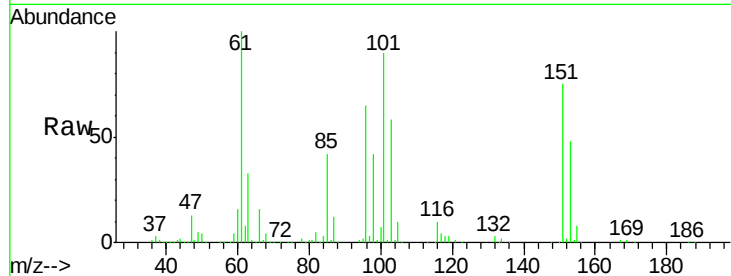
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	196440
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.6	52.0
151	83.2	67.5	101.3

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#10

Methyl Iodide

Concen: 184.947 ug/l

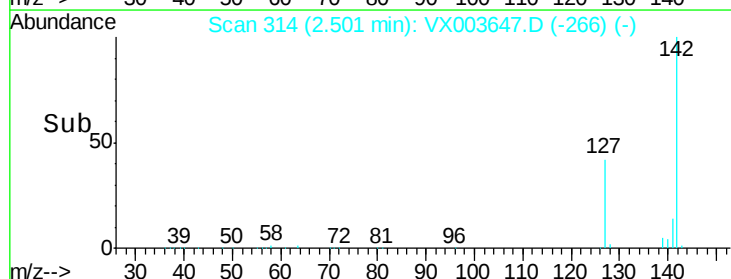
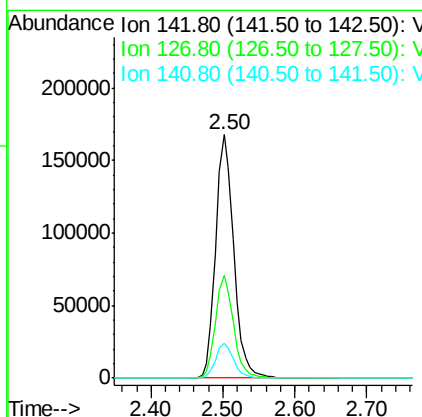
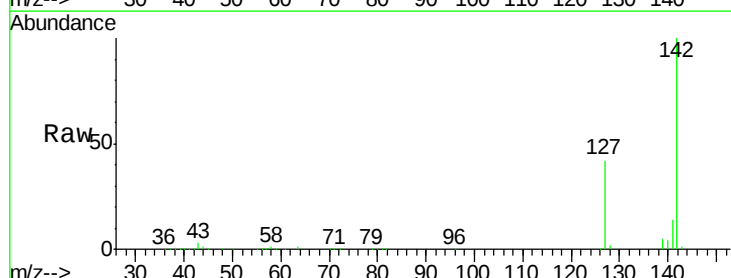
RT: 2.50 min Scan# 314

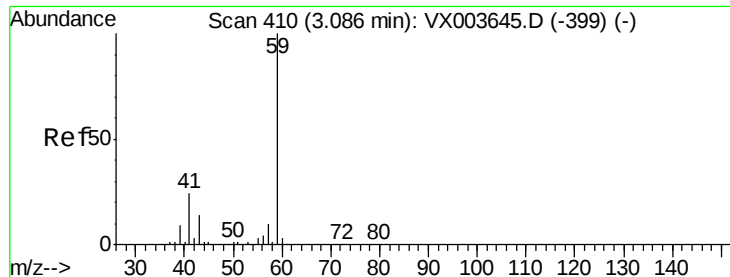
Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion:	142	Resp:	292272
Ion Ratio	Lower	Upper	
142	100		
127	42.0	34.0	51.0
141	14.3	11.3	16.9





#11

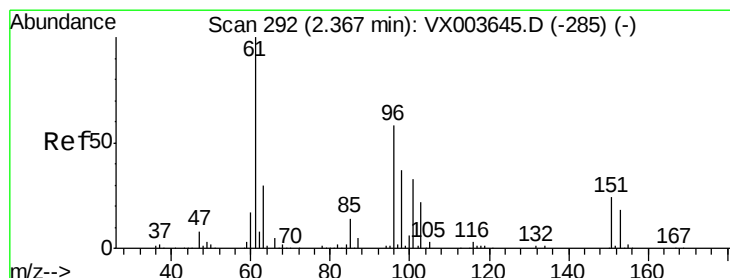
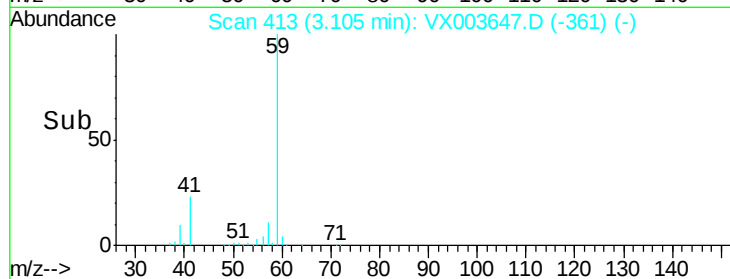
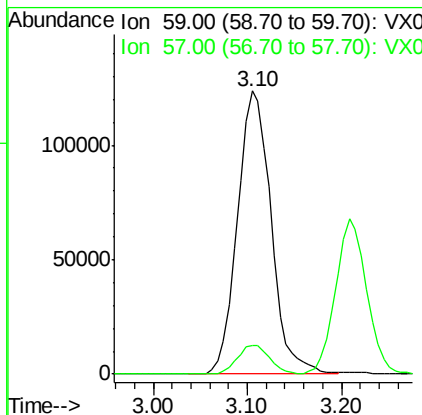
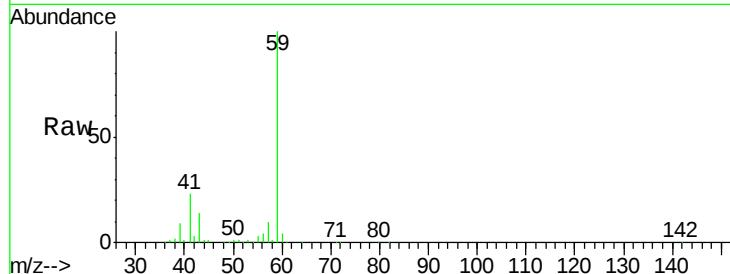
Tert butyl alcohol
Concen: 1054.474 ug/l
RT: 3.10 min Scan# 413
Delta R.T. 0.02 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

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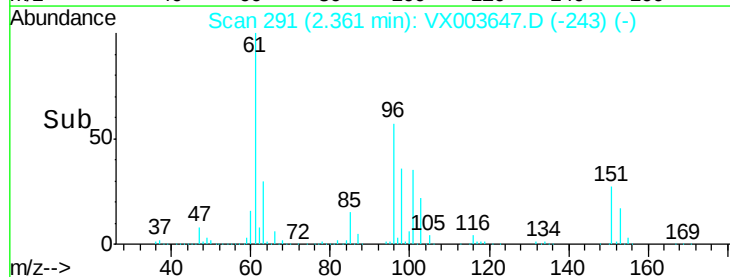
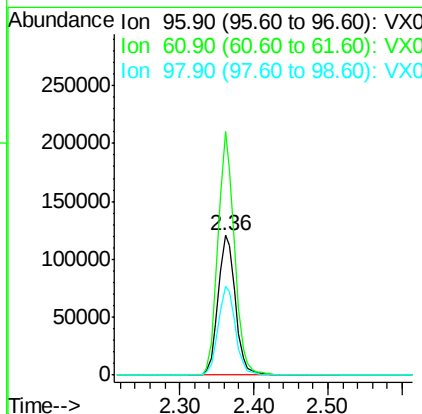
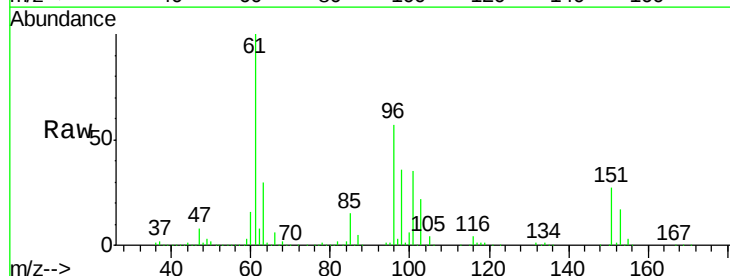
MMDadoda
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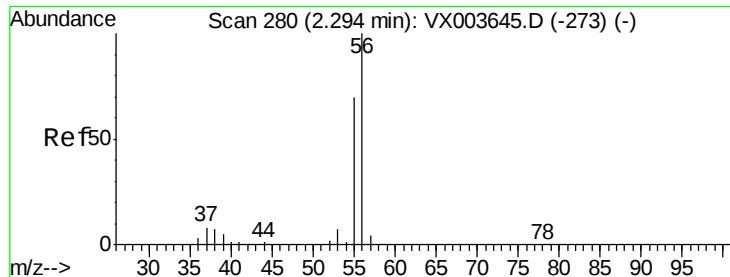


#12

1,1-Dichloroethene
Concen: 160.599 ug/l
RT: 2.36 min Scan# 291
Delta R.T. -0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.2	138.8	208.2
98	63.6	51.4	77.2





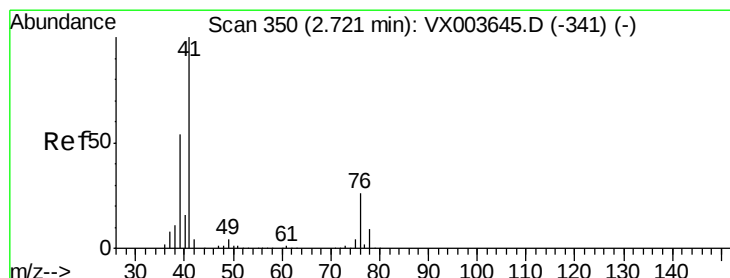
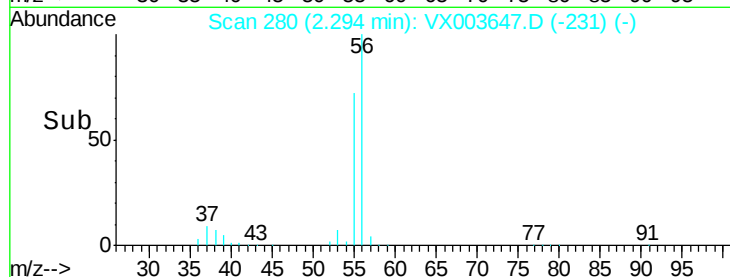
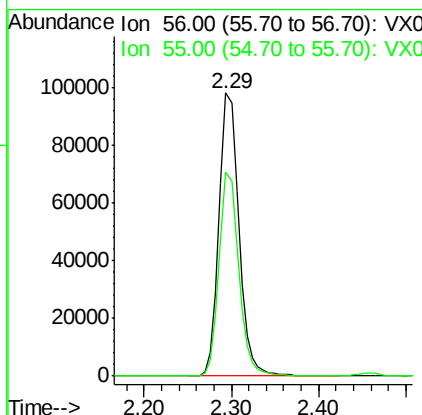
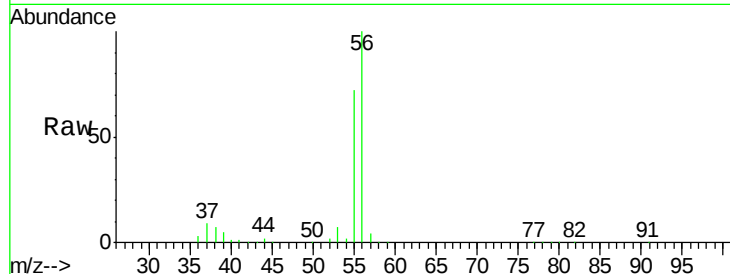
#13
Acrolein
Concen: 1108.940 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	155519
Ion Ratio	100	Lower	Upper
55	71.6	55.4	83.2

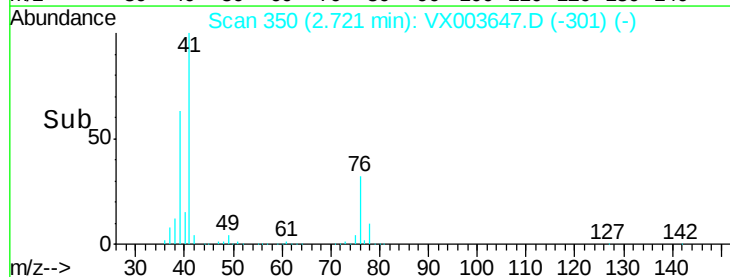
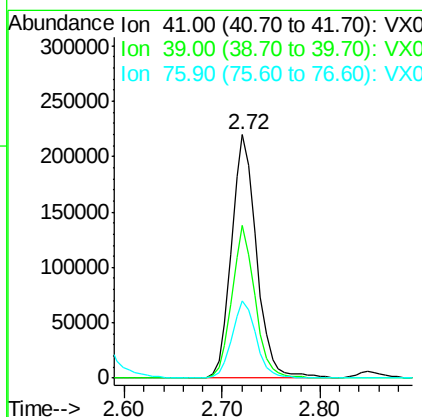
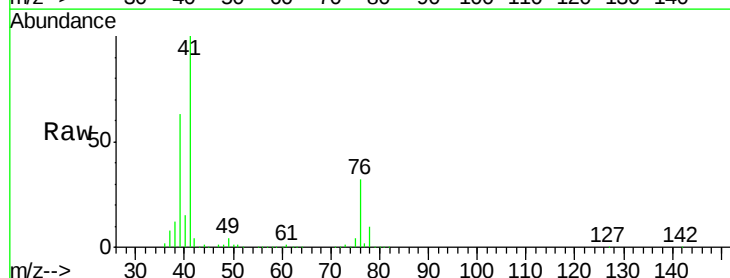
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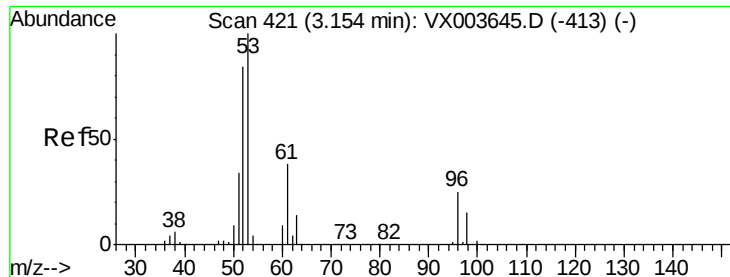
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#14
Allyl chloride
Concen: 177.678 ug/l
RT: 2.72 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	41	Resp	390607
Ion Ratio	100	Lower	Upper
39	58.1	45.3	67.9
76	30.5	23.8	35.6





#15

Acrylonitrile

Concen: 958.663 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

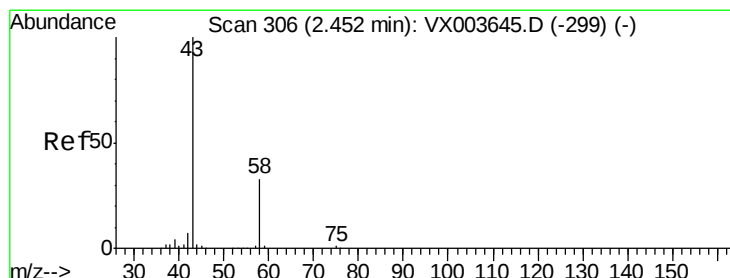
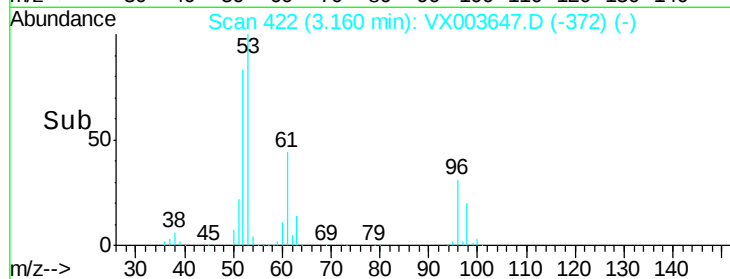
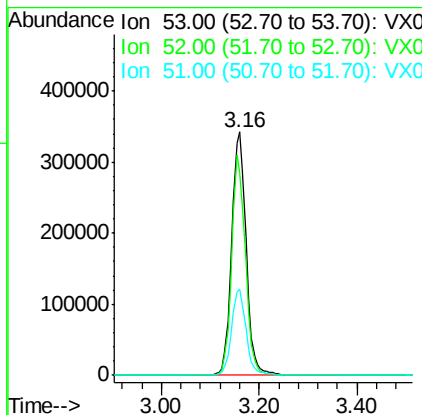
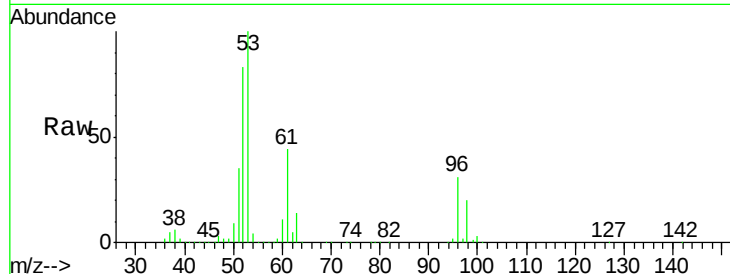
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	703661
Ion Ratio	Lower	Upper	
53	100		
52	85.5	66.1	99.1
51	35.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 1010.661 ug/l

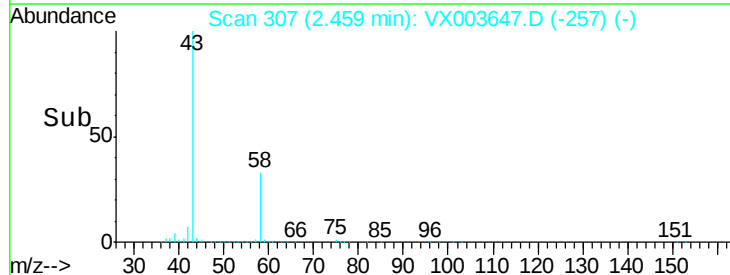
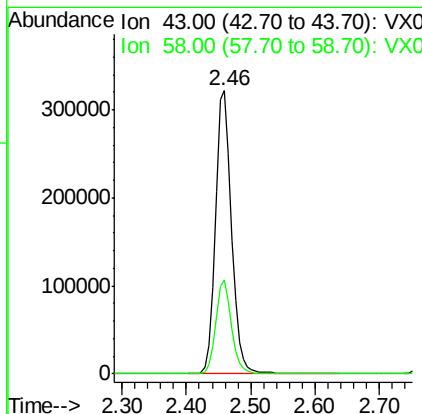
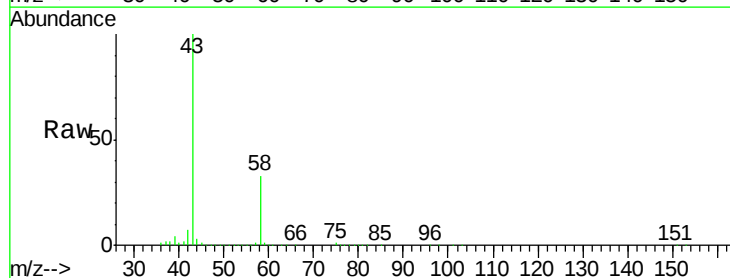
RT: 2.46 min Scan# 307

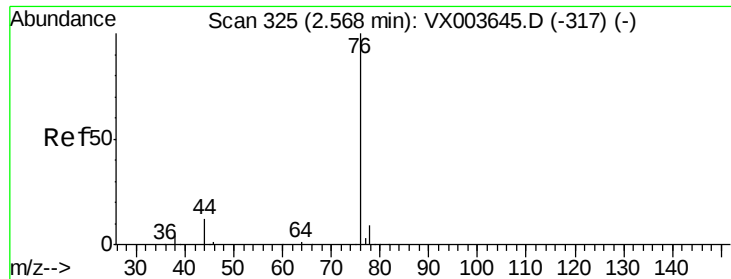
Delta R.T. 0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion:	43	Resp:	565405
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.1	39.1





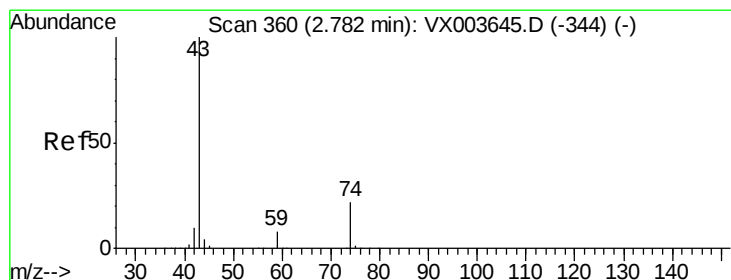
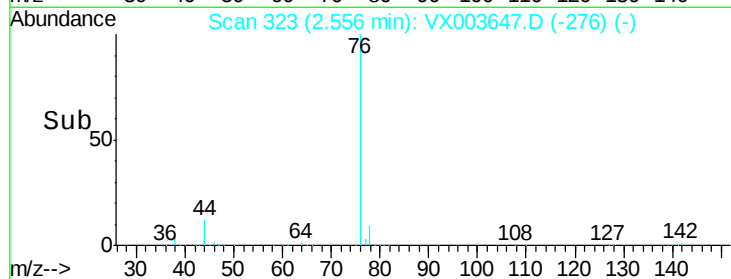
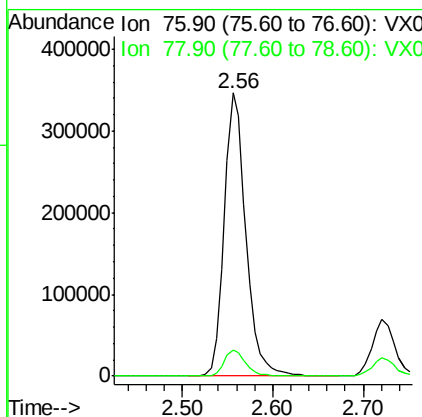
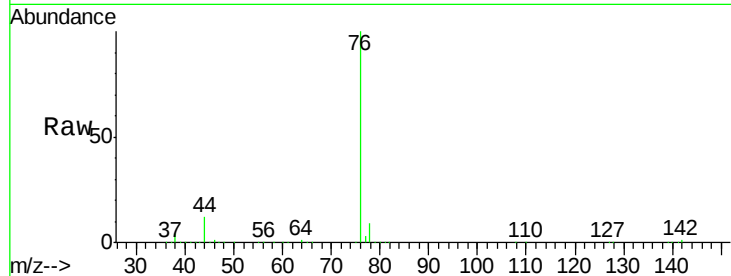
#17
Carbon Disulfide
Concen: 160.825 ug/l
RT: 2.56 min Scan# 323
Delta R.T. -0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

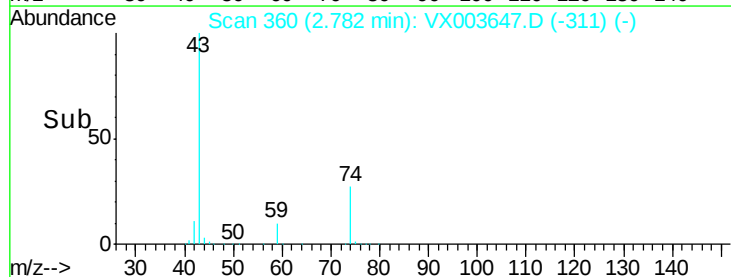
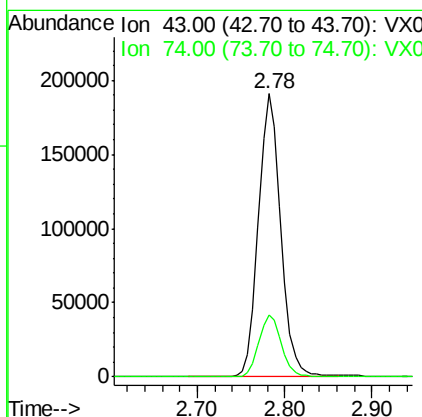
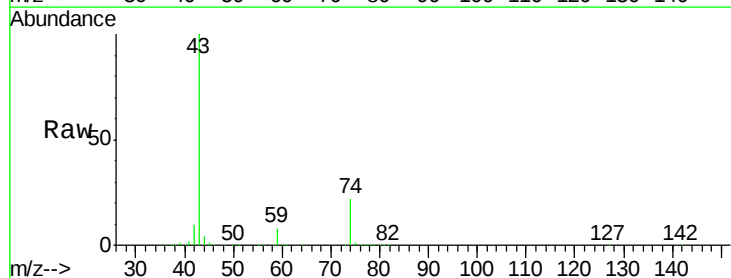
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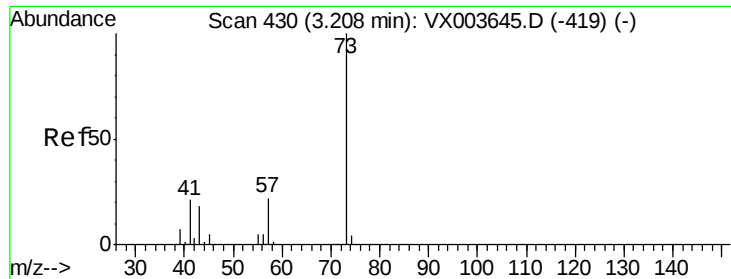
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#18
Methyl Acetate
Concen: 193.483 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.8	26.8





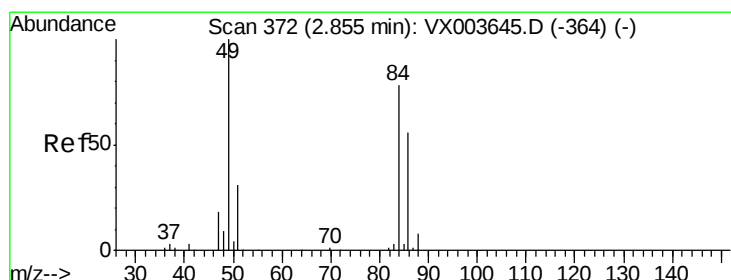
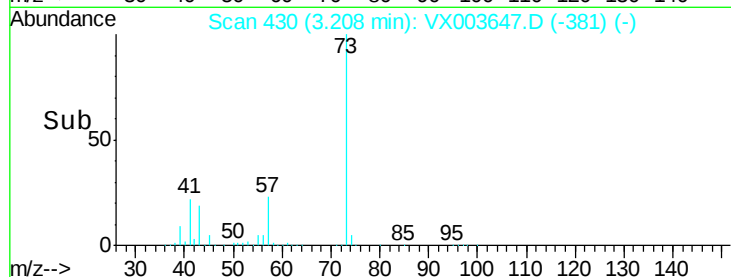
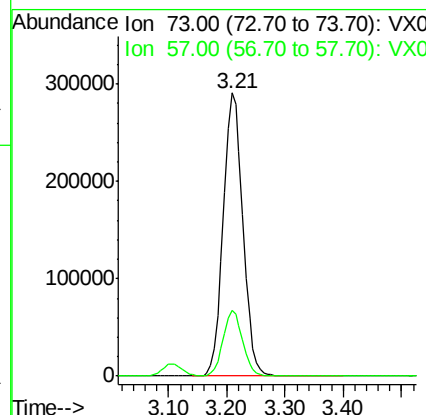
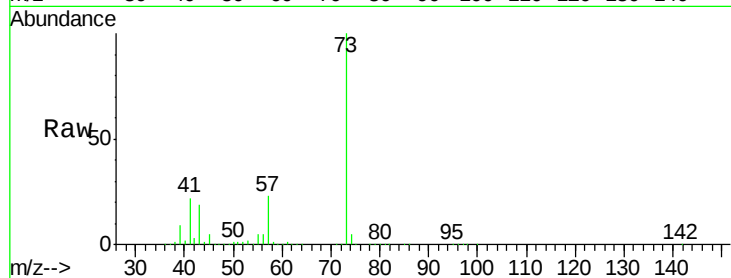
#19
Methyl tert-butyl Ether
Concen: 170.180 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 677515
Ion Ratio Lower Upper
73 100
57 23.3 17.4 26.2

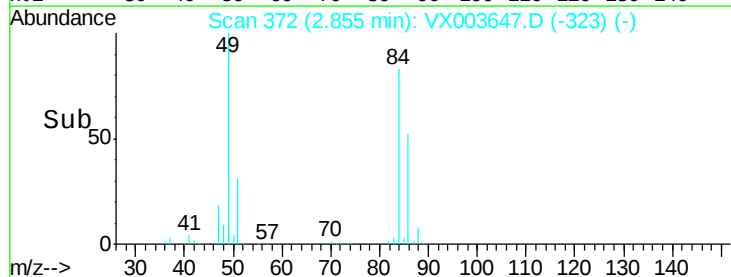
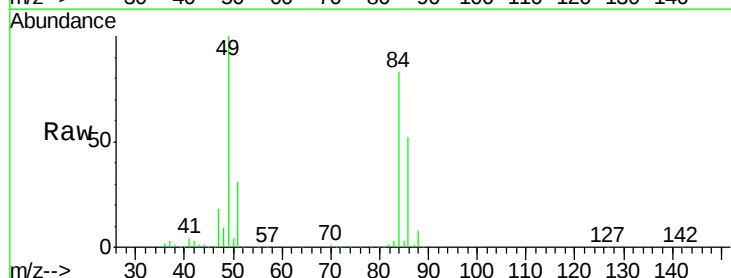
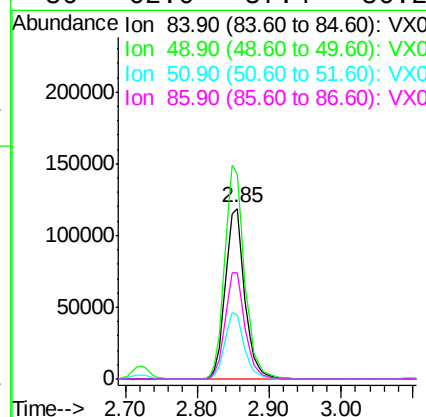
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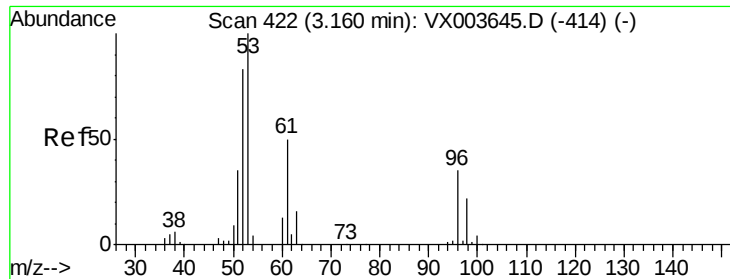
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#20
Methylene Chloride
Concen: 150.217 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion: 84 Resp: 223587
Ion Ratio Lower Upper
84 100
49 119.9 102.3 153.5
51 37.4 31.8 47.8
86 62.0 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 155.646 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 207946

Ion Ratio Lower Upper

96 100

61 143.7 115.0 172.4

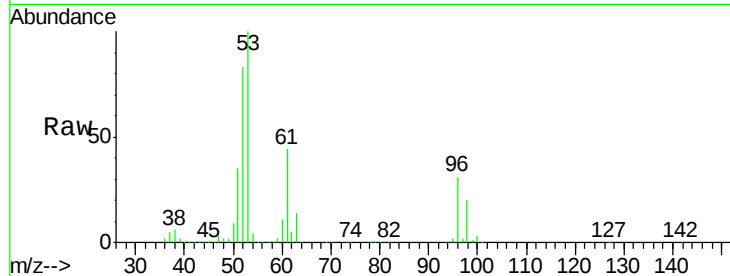
98 64.4 49.7 74.5

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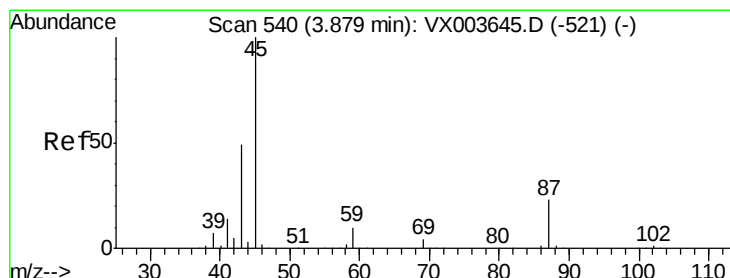
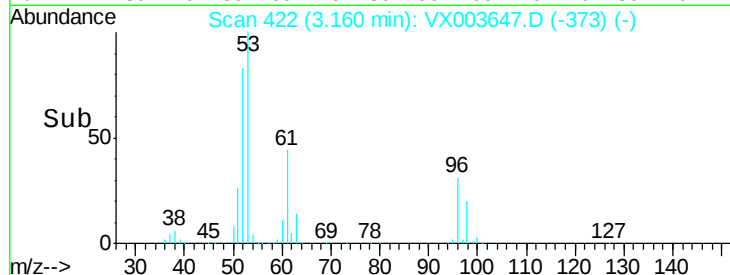
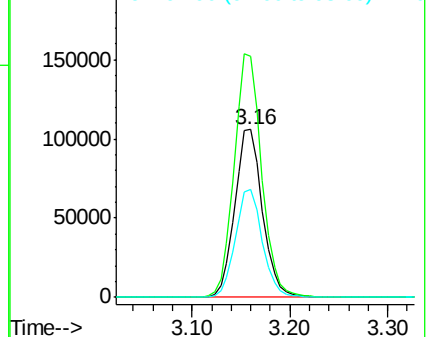


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 177.252 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion: 45 Resp: 729768

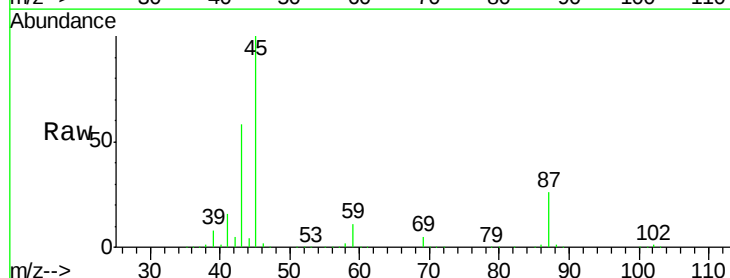
Ion Ratio Lower Upper

45 100

43 58.3 39.0 58.4

87 26.4 18.4 27.6

59 11.4 7.8 11.8



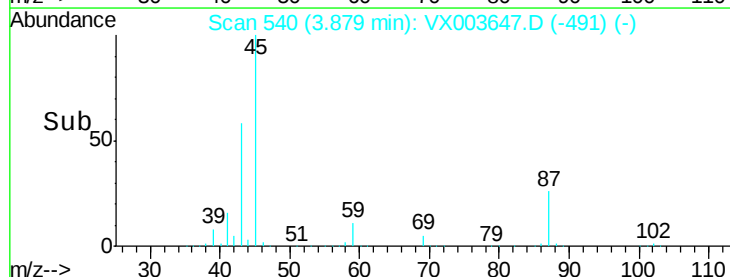
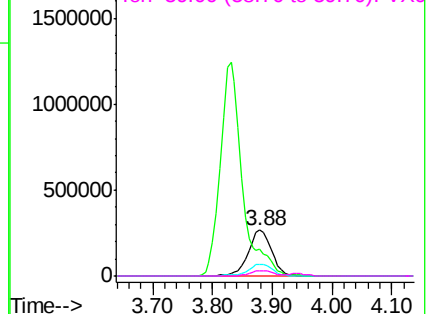
Abundance

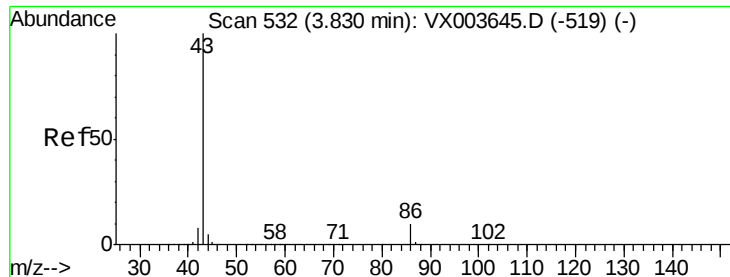
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 936.445 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3205133

Ion Ratio Lower Upper

43 100

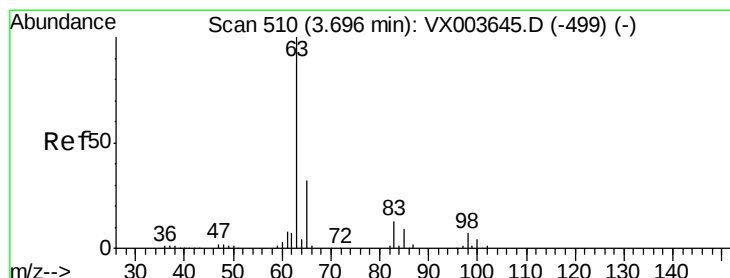
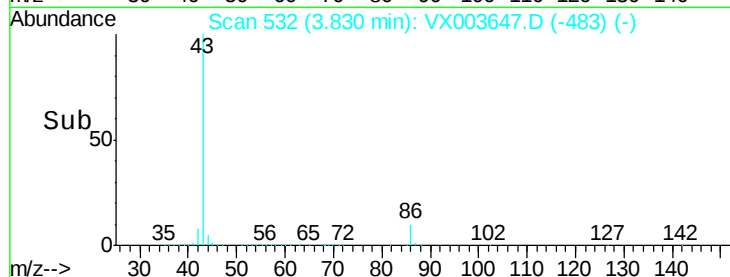
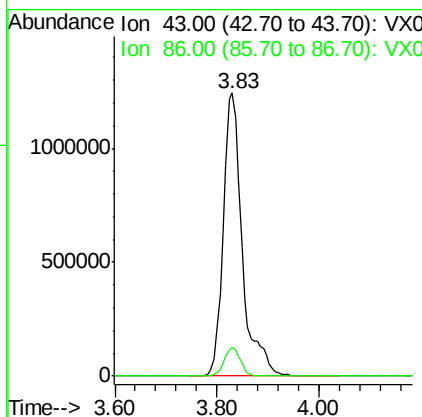
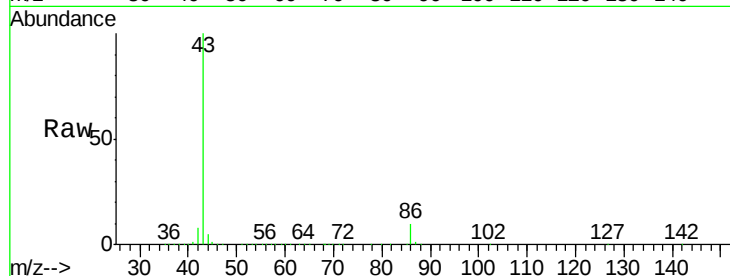
86 10.0 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 167.464 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

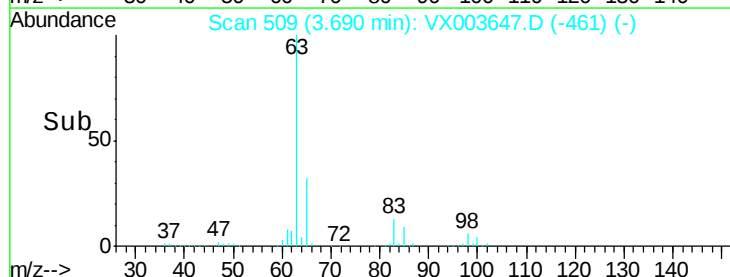
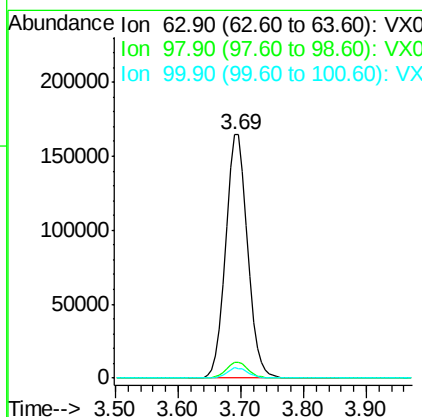
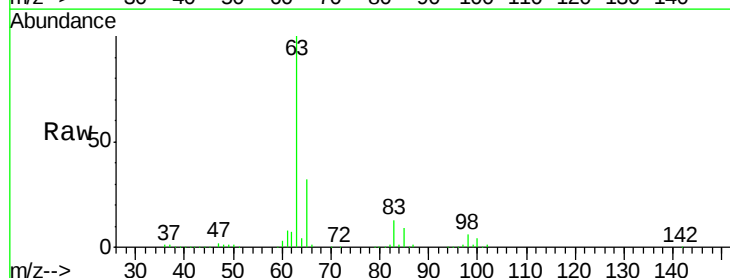
Tgt Ion: 63 Resp: 398261

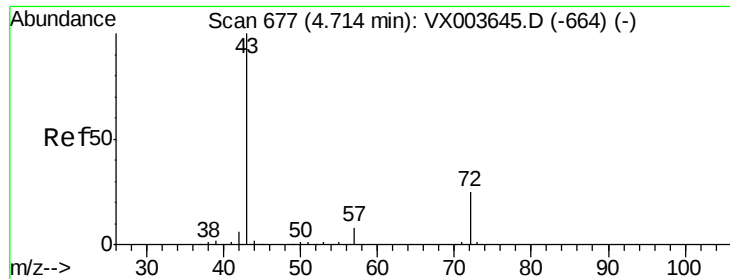
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 971.571 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 898066

Ion Ratio Lower Upper

43 100

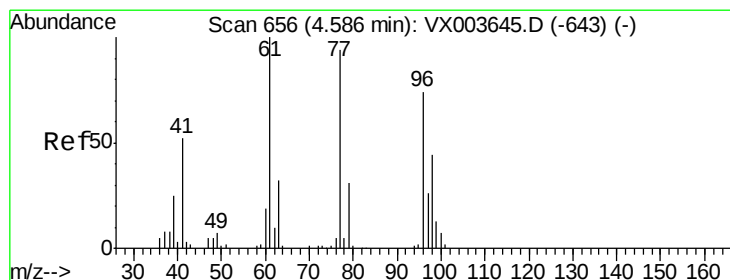
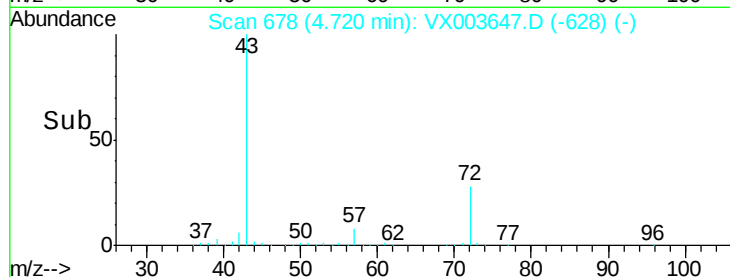
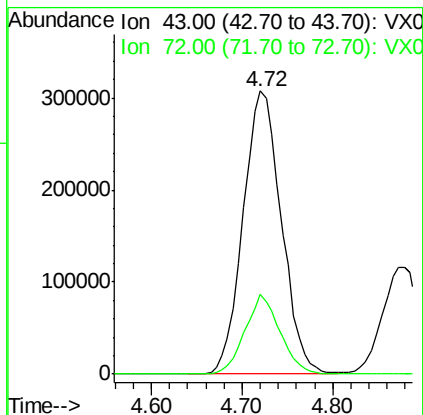
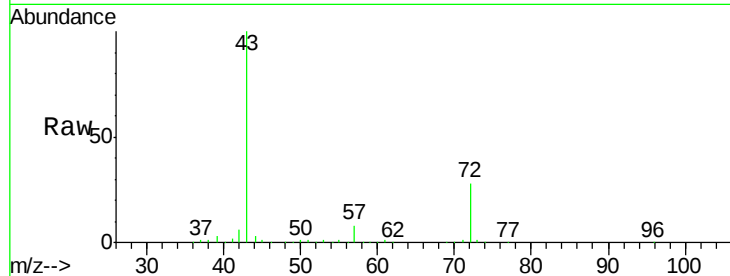
72 28.2 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 145.441 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003647.D

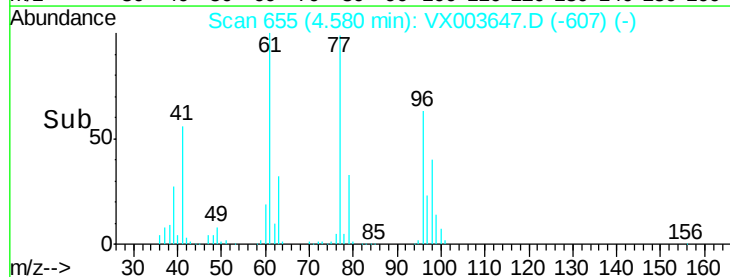
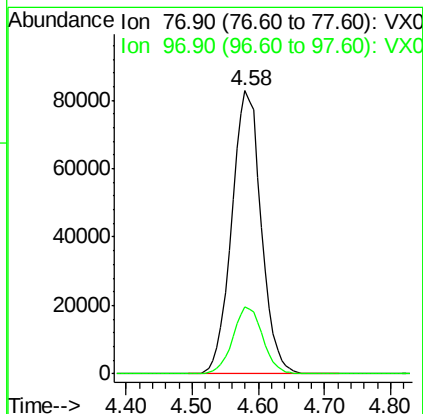
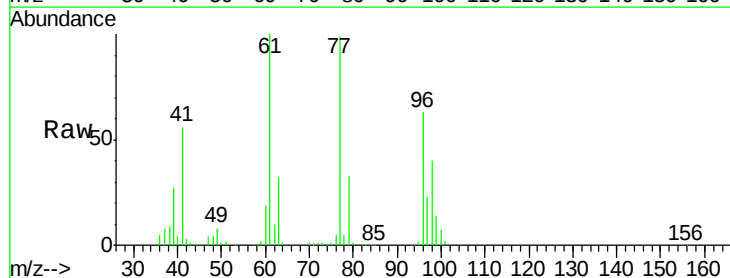
Acq: 24 Jul 2018 18:28

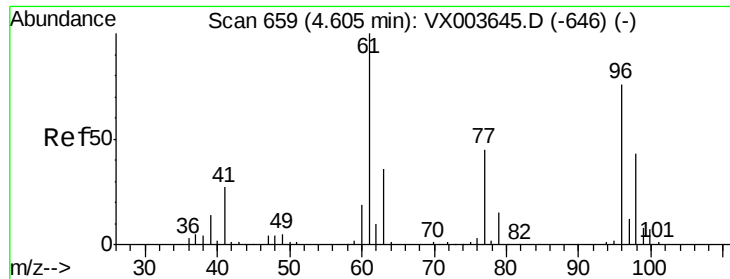
Tgt Ion: 77 Resp: 255622

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.0





#27

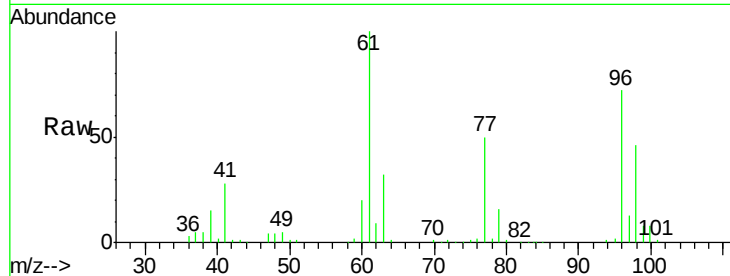
cis-1,2-Dichloroethene
Concen: 152.885 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	225855		
61	146.2	0.0	313.6	
98	64.8	0.0	125.6	

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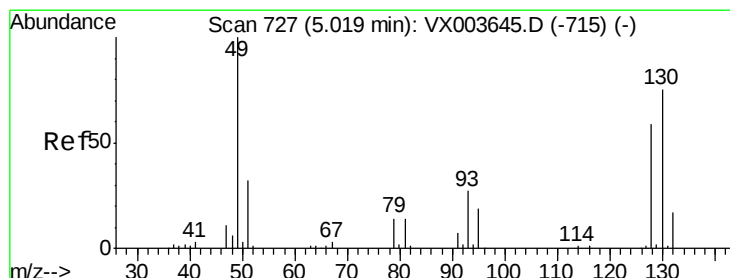
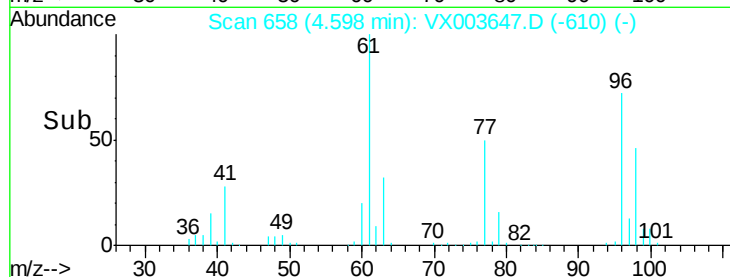
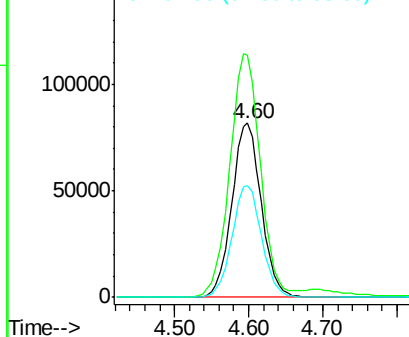


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

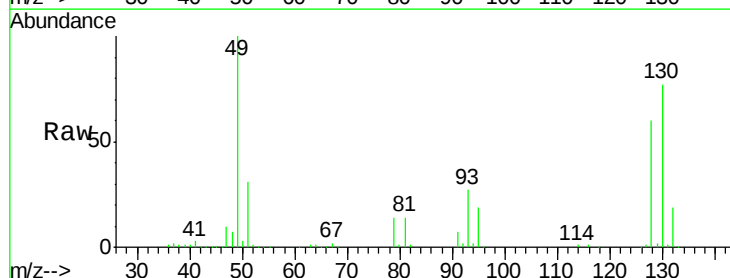
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 150.756 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	153550		
129	2.0	0.0	4.2	
130	78.6	61.0	91.6	

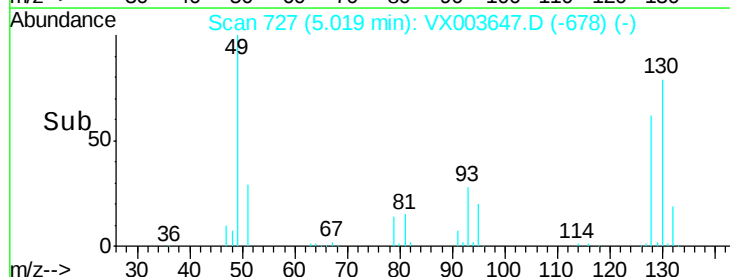
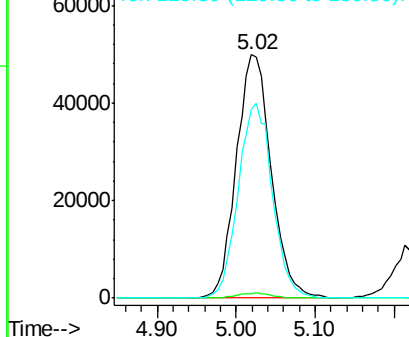


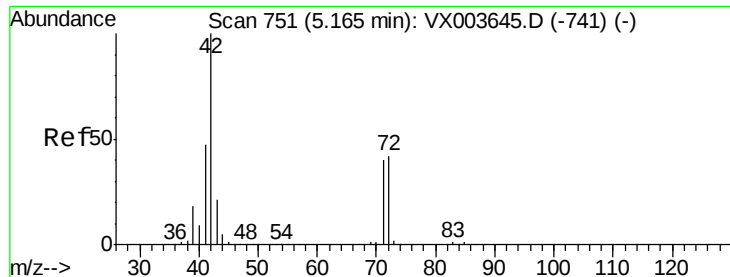
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





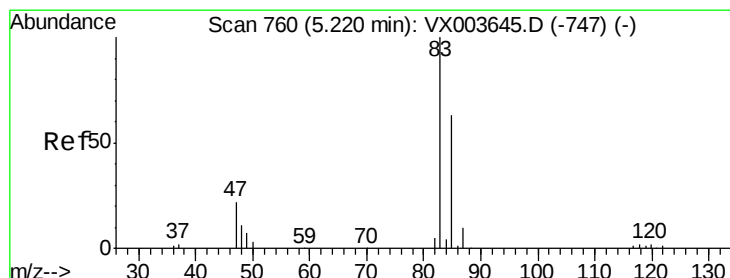
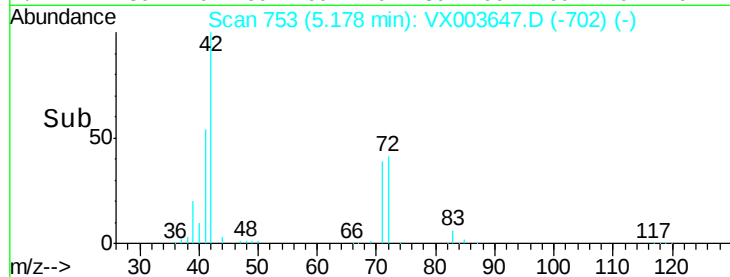
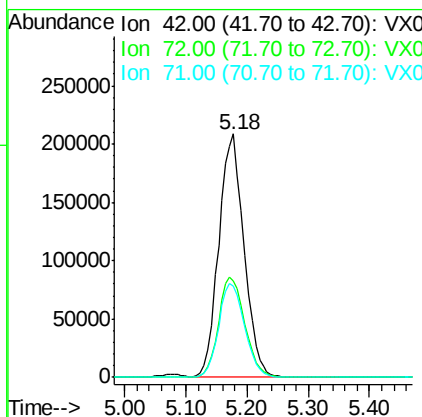
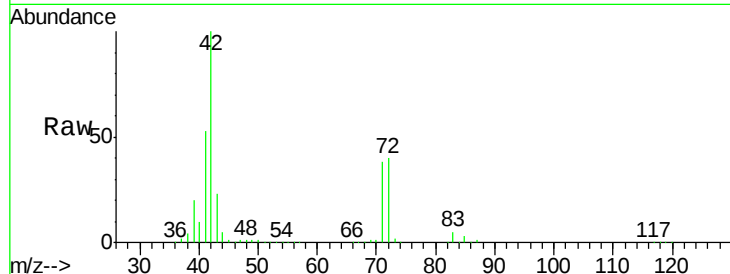
#29
Tetrahydrofuran
Concen: 970.271 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100	595929		
72	43.0		33.4	50.0
71	39.8		31.0	46.6

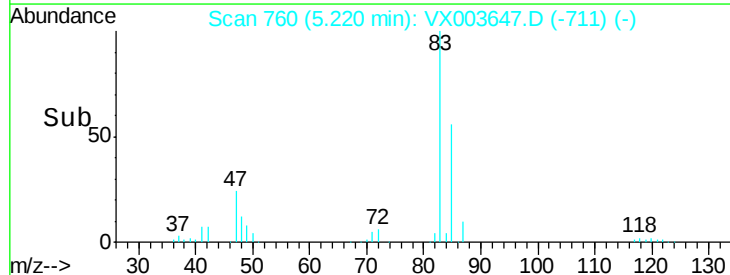
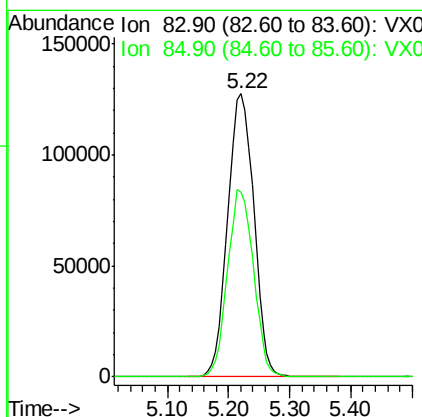
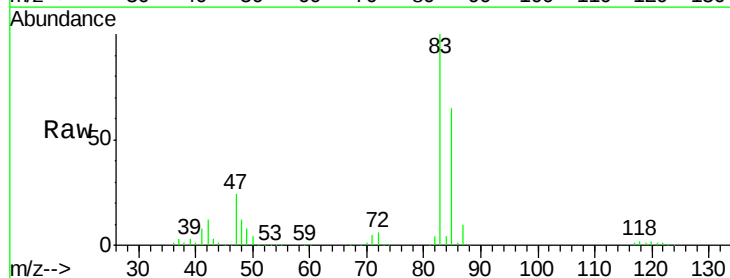
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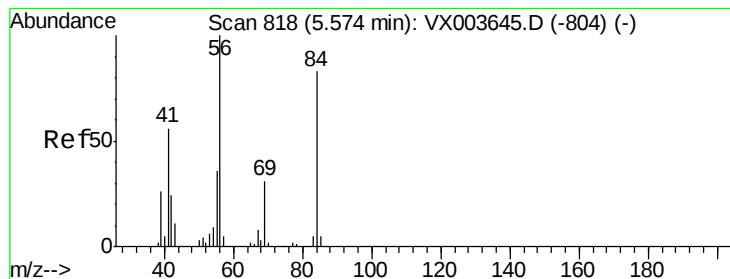
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#30
Chloroform
Concen: 164.162 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	377327		
85	65.2		50.2	75.4





#31

Cyclohexane

Concen: 165.400 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

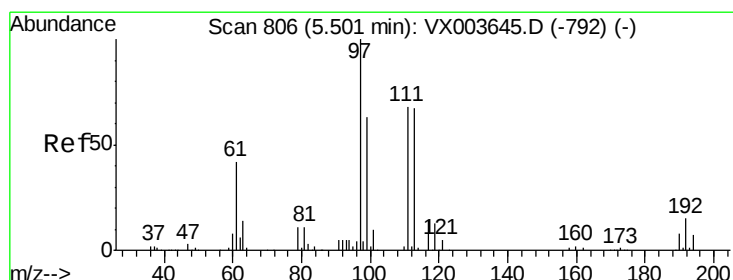
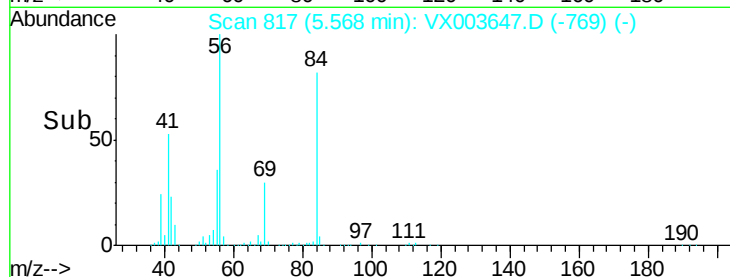
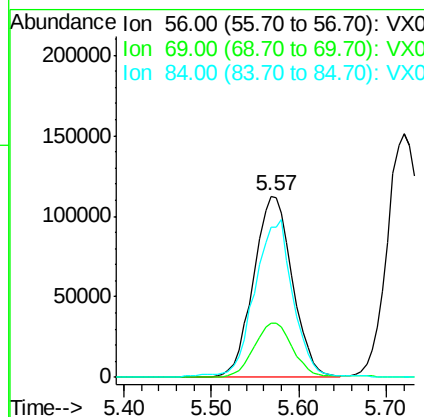
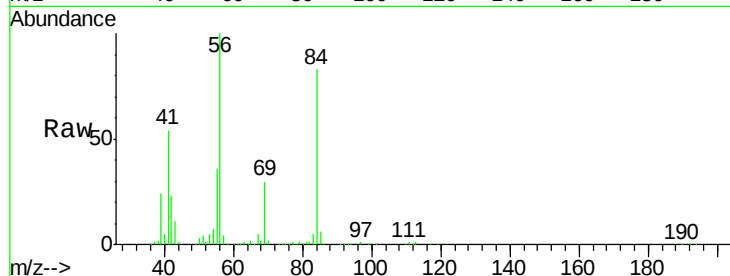
ClientSampled :

VSTDIC150

Tot Ion:	56	Resp:	347548
Ion Ratio		Lower	Upper
56	100		
69	29.6	25.0	37.6
84	81.5	66.5	99.7

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#32

1,1,1-Trichloroethane

Concen: 163.740 ug/l

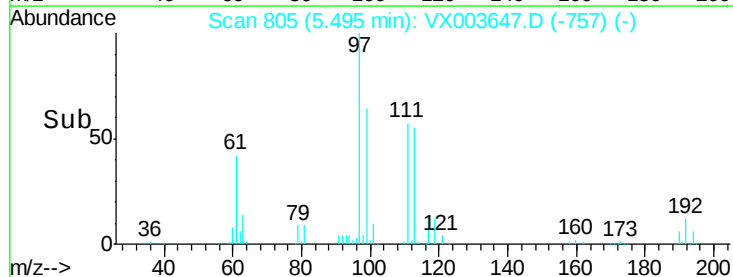
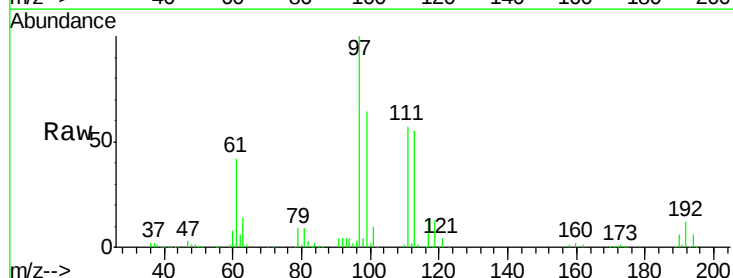
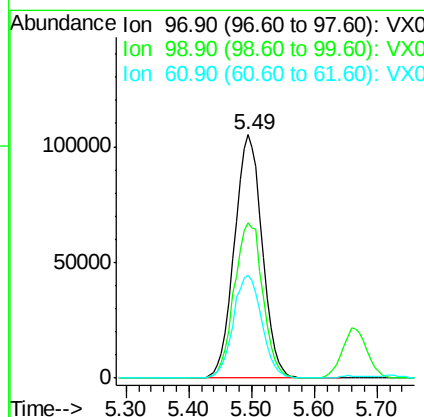
RT: 5.49 min Scan# 805

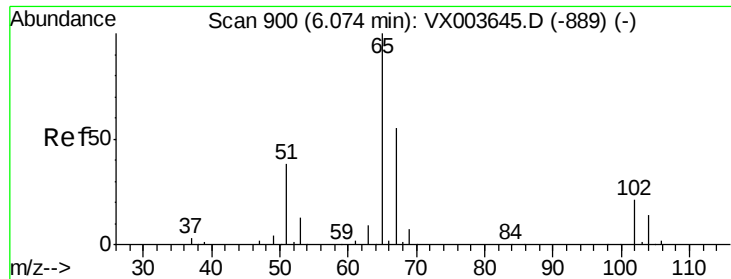
Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion:	97	Resp:	322275
Ion Ratio		Lower	Upper
97	100		
99	65.5	50.4	75.6
61	43.4	34.5	51.7





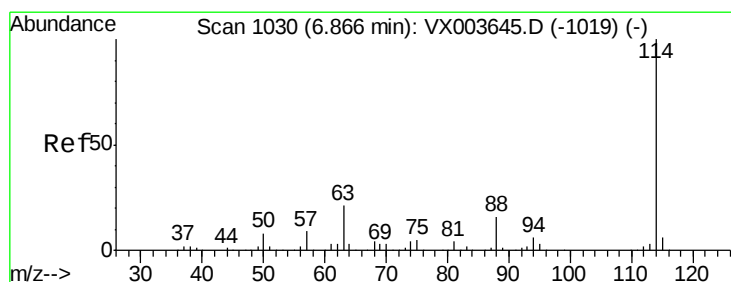
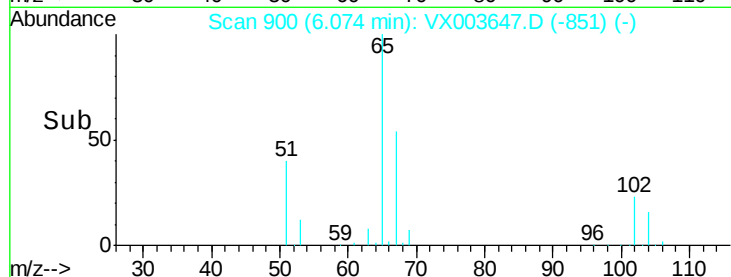
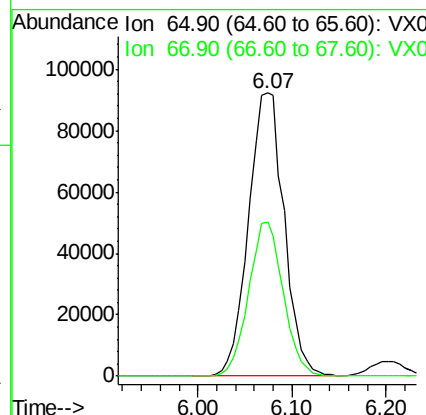
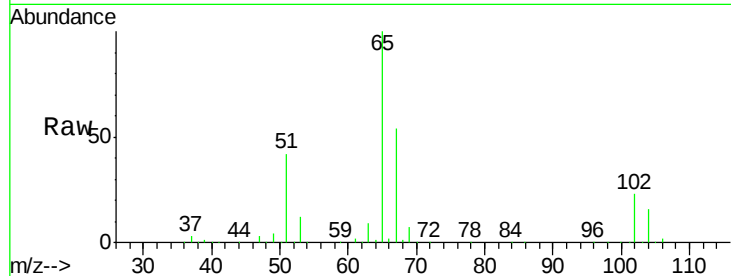
#33
 1,2-Dichloroethane-d4
 Concen: 171.709 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.8

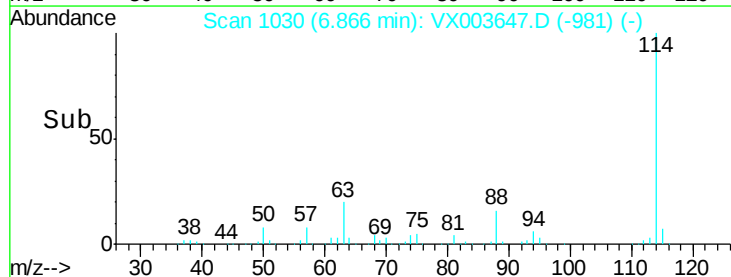
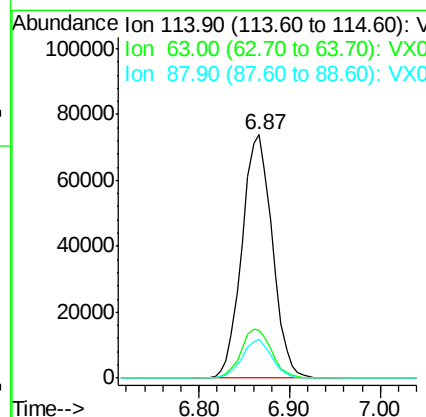
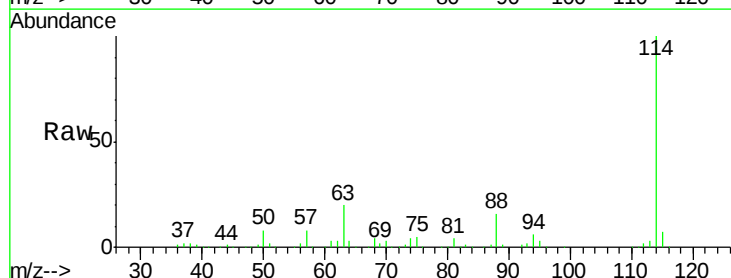
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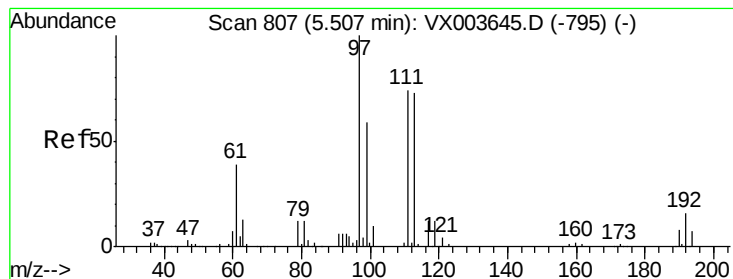
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	15.8	0.0	31.8





#35

Dibromofluoromethane

Concen: 154.746 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

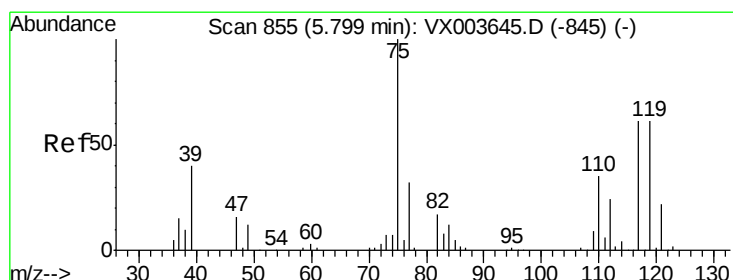
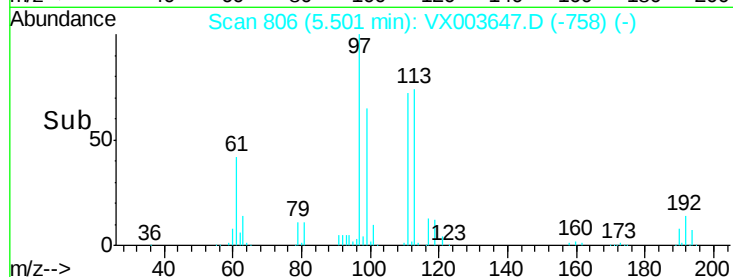
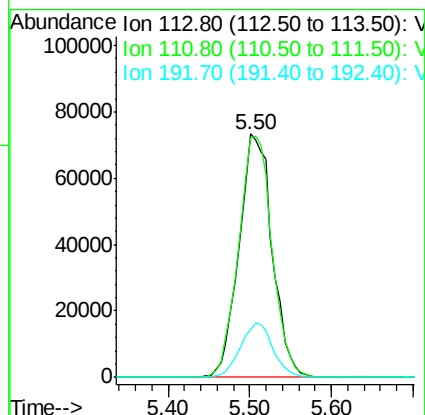
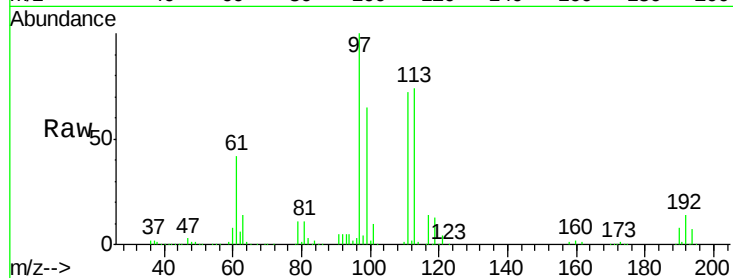
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	206431
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.2	121.8
192	21.9	18.2	27.4

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#36

1,1-Dichloropropene

Concen: 156.696 ug/l

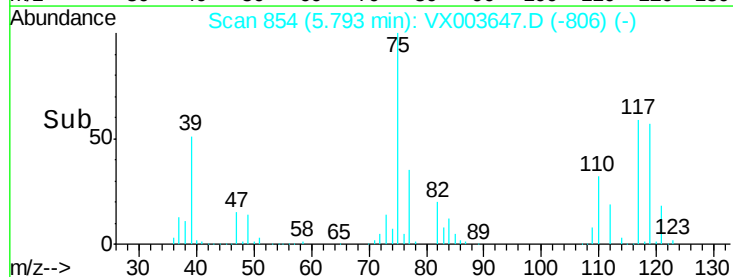
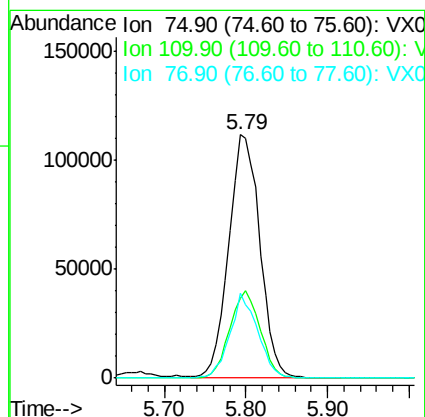
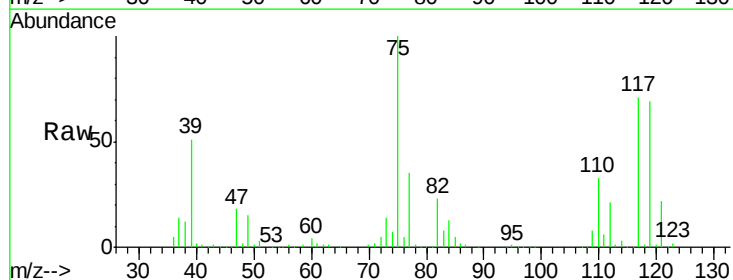
RT: 5.79 min Scan# 854

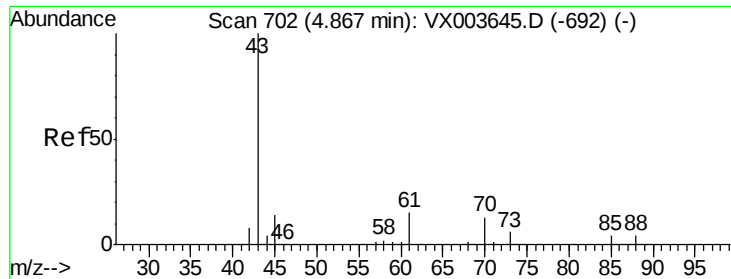
Delta R.T. -0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion:	75	Resp:	294292
Ion Ratio	Lower	Upper	
75	100		
110	35.1	18.1	54.1
77	31.2	25.1	37.7





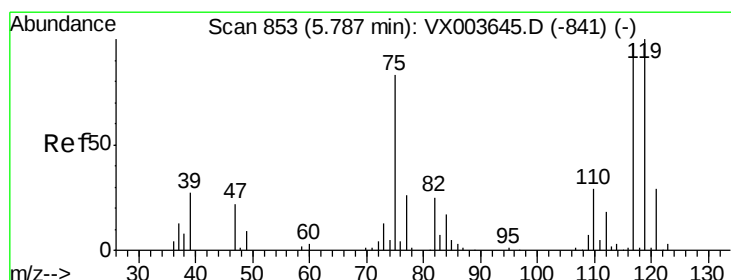
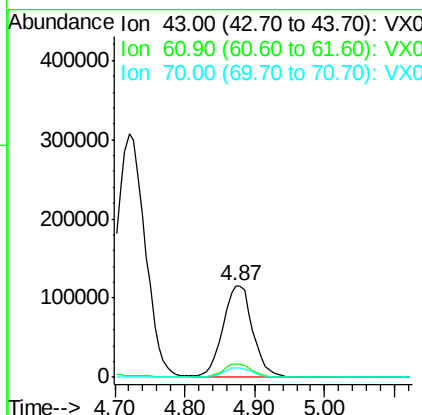
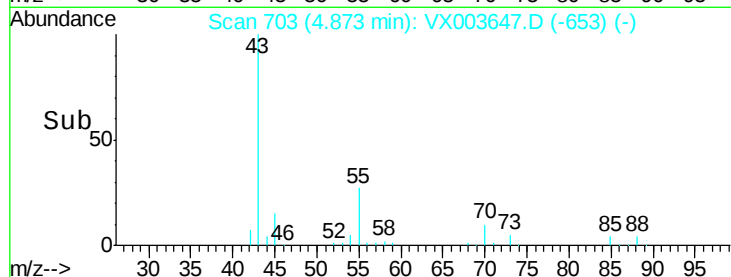
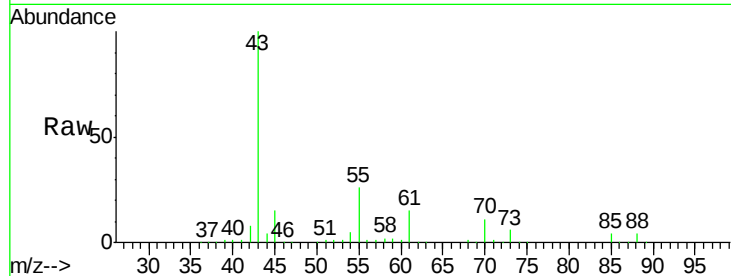
#37
Ethyl Acetate
Concen: 183.617 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	10.5	8.6	12.8

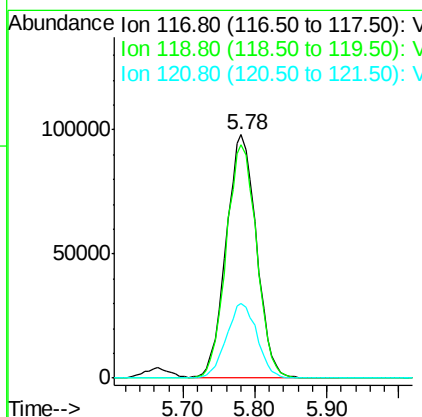
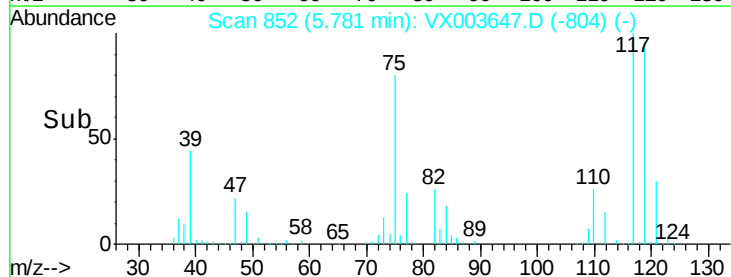
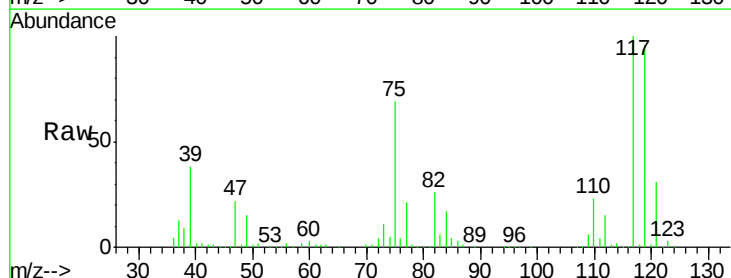
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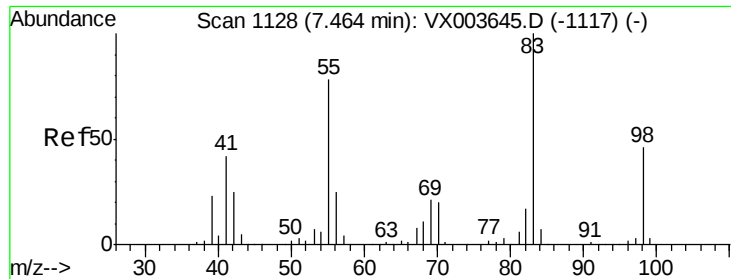
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#38
Carbon Tetrachloride
Concen: 156.254 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	81.0	121.4
121	30.7	23.7	35.5





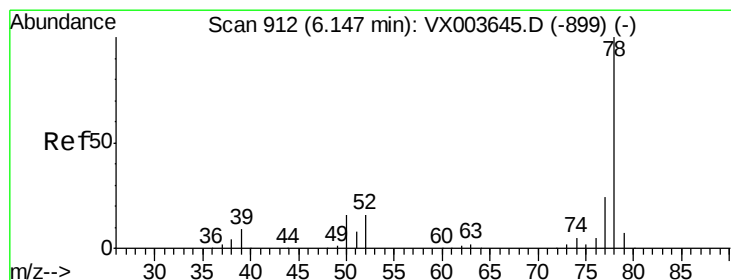
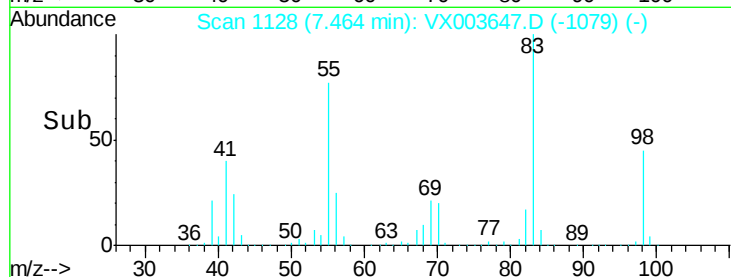
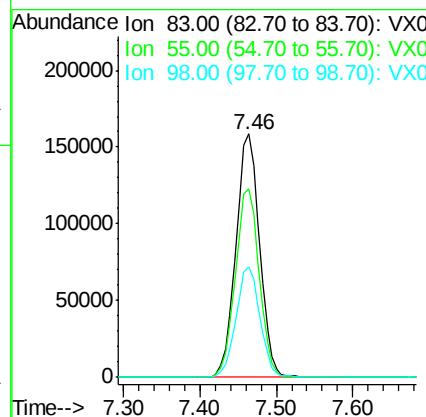
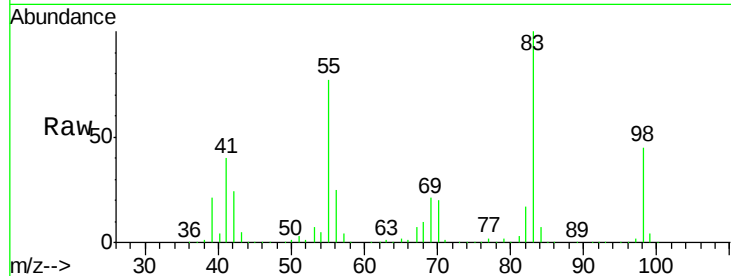
#39
Methylvlcyclohexane
Concen: 152.614 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.6	93.8
98	45.2	36.6	55.0

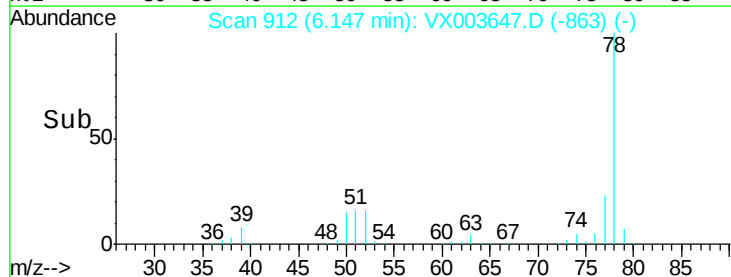
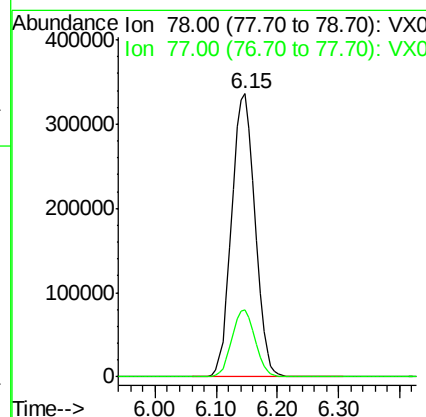
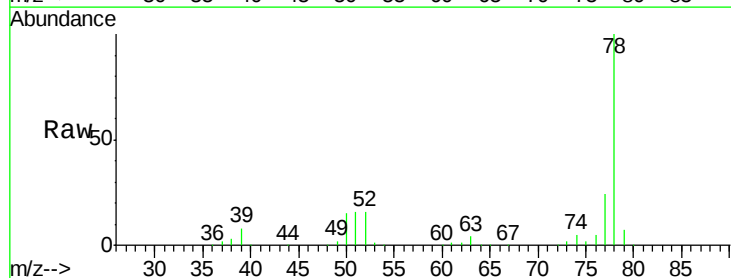
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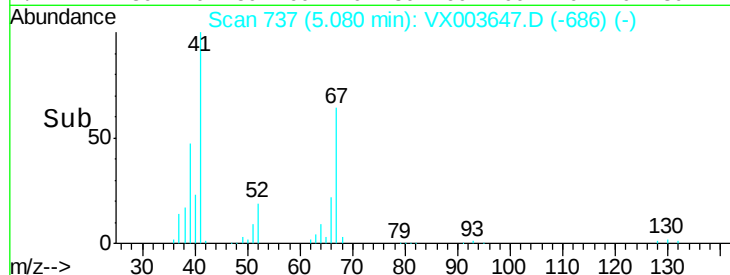
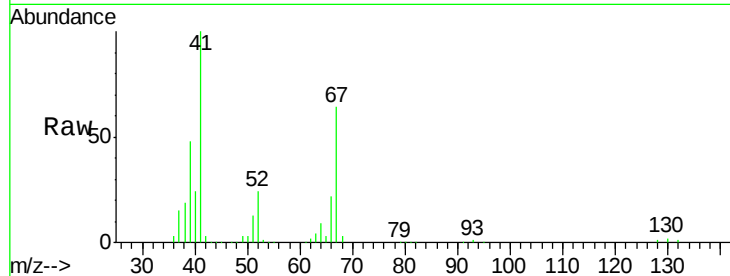
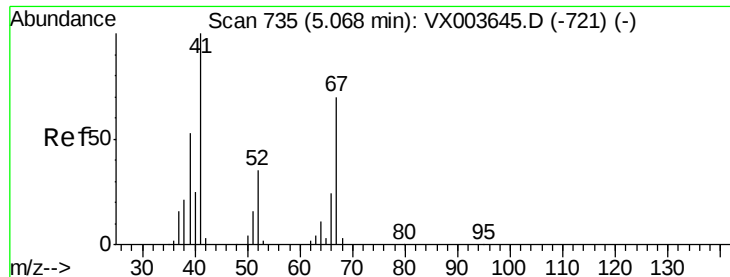
MMDadoda
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#40
Benzene
Concen: 154.555 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

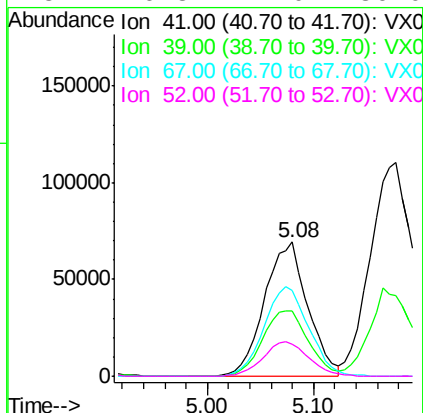
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41
Methacrylonitrile
Concen: 179.410 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

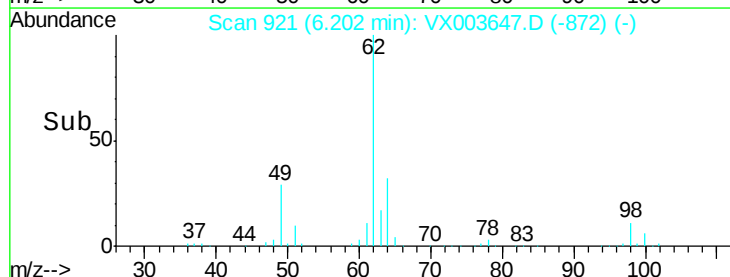
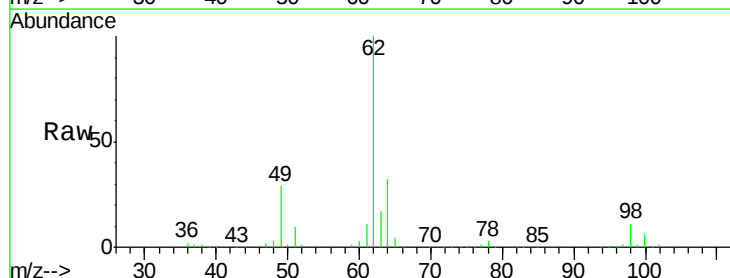
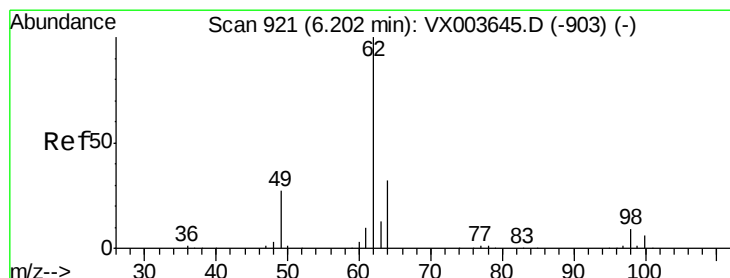
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		195020		
39	52.0	42.2	63.4		
67	69.3	56.6	84.8		
52	26.8	24.0	36.0		



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

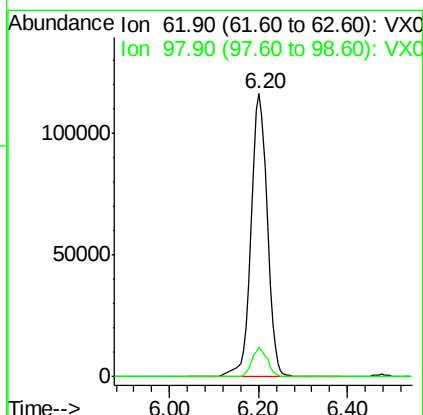
Manual Integrations
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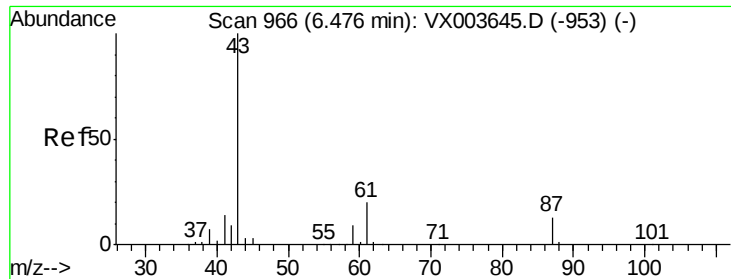
MMDadoda
8/2/2018 11:54:18 AM



#42
1,2-Dichloroethane
Concen: 161.695 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		295578		
98	9.9	0.0	18.4		





#43

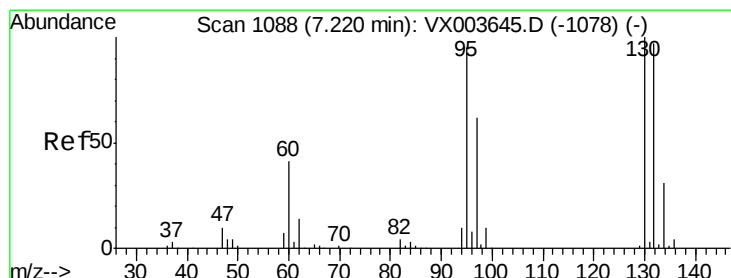
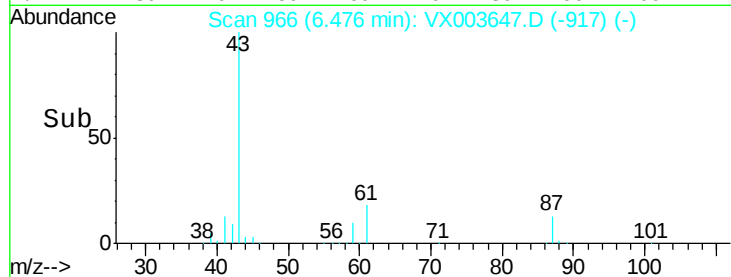
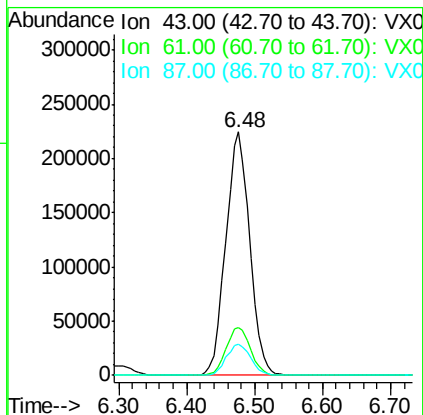
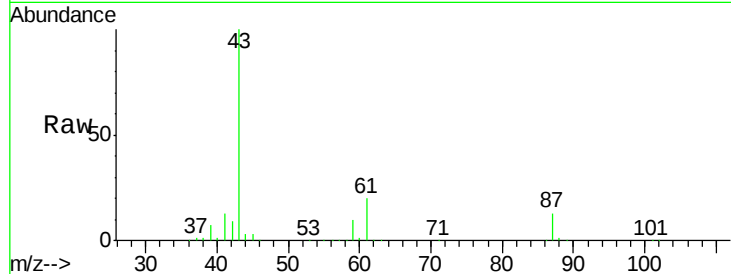
Isopropyl Acetate
 Concen: 185.985 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.9	23.9
87	13.1	10.1	15.1

Manual Integrations
 APPROVED

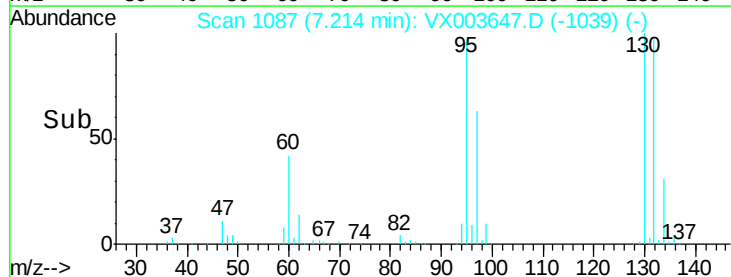
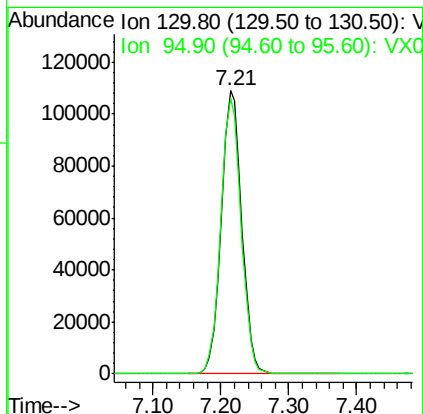
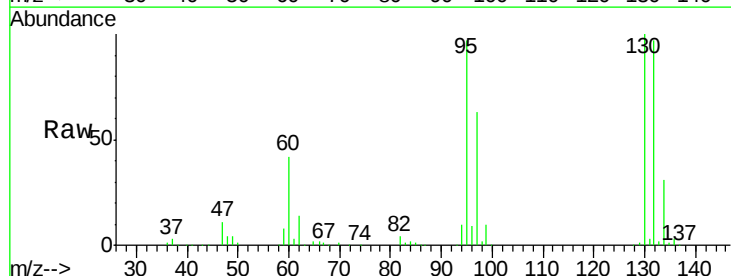
MMDadoda
 8/2/2018 11:54:18 AM



#44

Trichloroethene
 Concen: 136.341 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	190.0





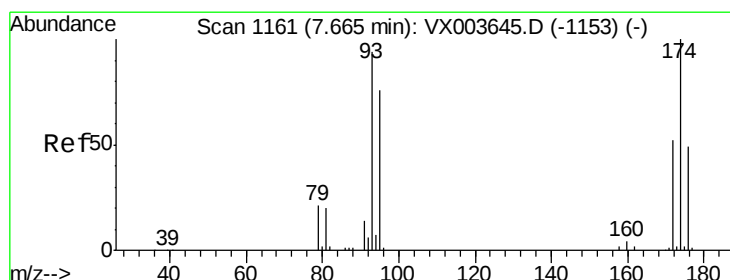
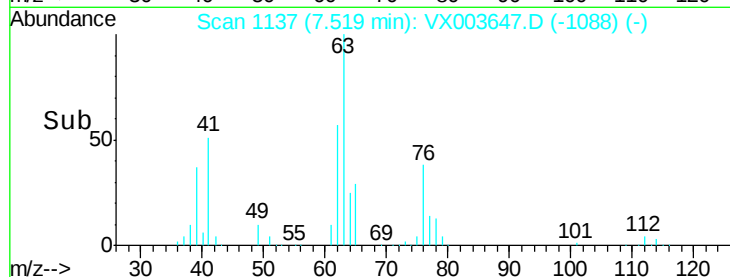
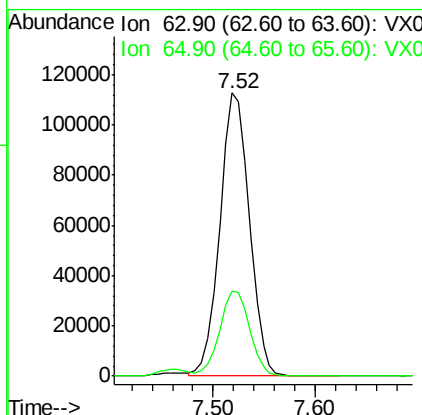
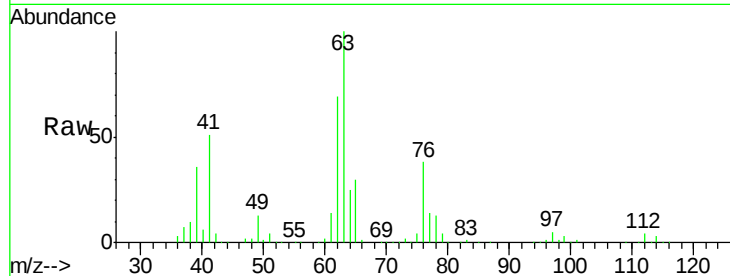
#45
 1,2-Dichloropropane
 Concen: 156.352 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 226778
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.0 36.0

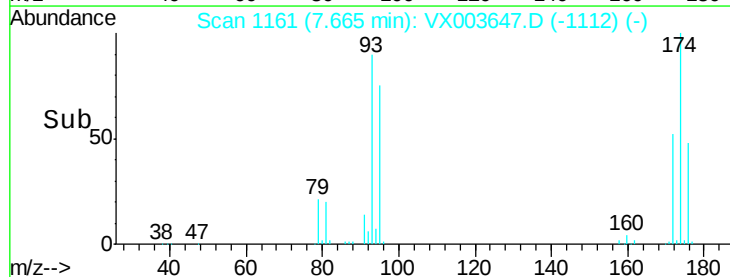
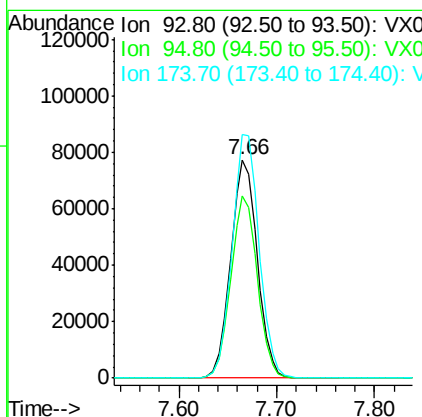
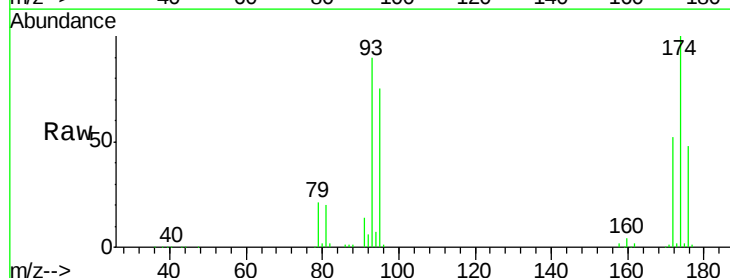
Manual Integrations
 APPROVED

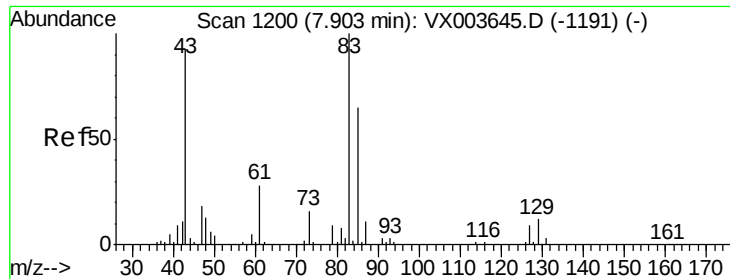
MMDadoda
 8/2/2018 11:54:18 AM



#46
 Dibromomethane
 Concen: 156.660 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Tgt Ion: 93 Resp: 145772
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 113.2 89.6 134.4





#47

Bromodichloromethane

Concen: 166.556 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

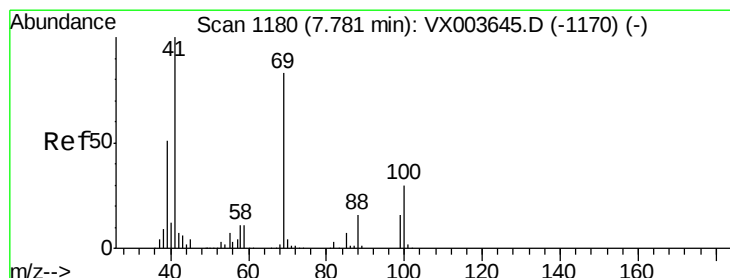
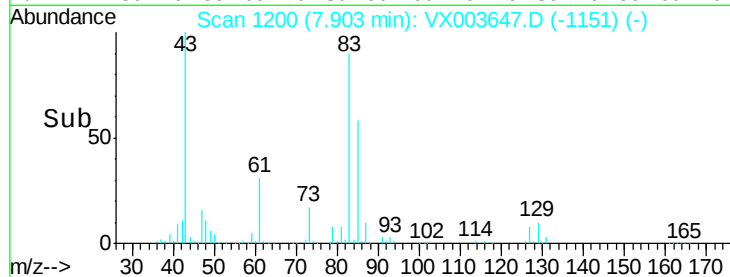
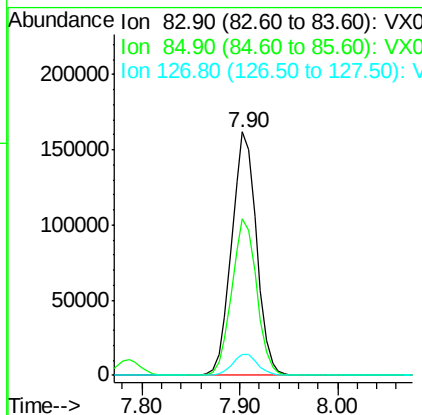
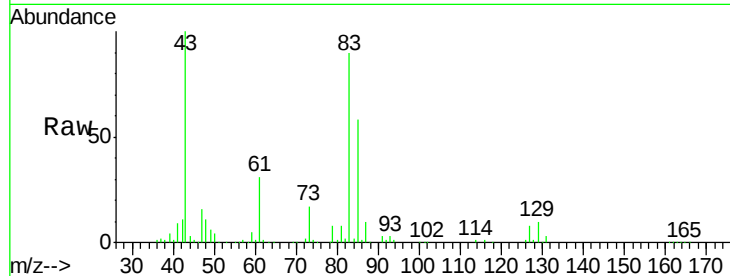
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	284850
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.6
127	8.8	7.0	10.6

Manual Integrations
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8/2/2018 11:54:18 AM



#48

Methyl methacrylate

Concen: 189.470 ug/l

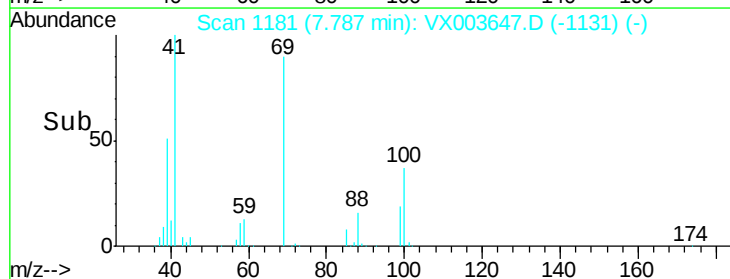
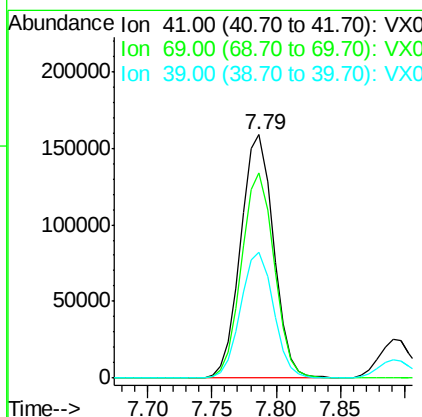
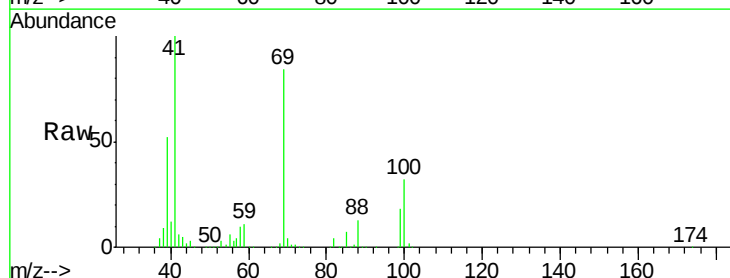
RT: 7.79 min Scan# 1181

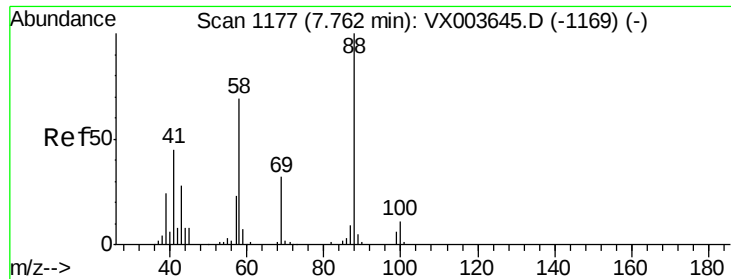
Delta R.T. 0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion:	41	Resp:	280877
Ion	Ratio	Lower	Upper
41	100		
69	83.9	66.9	100.3
39	51.7	41.2	61.8





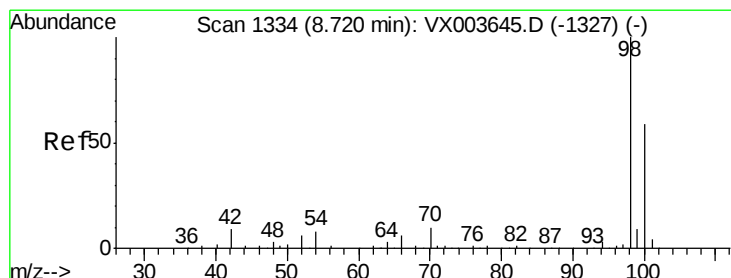
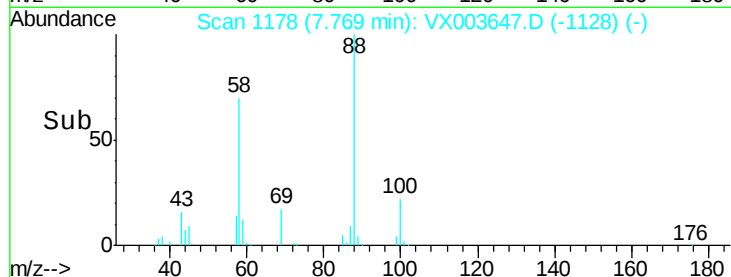
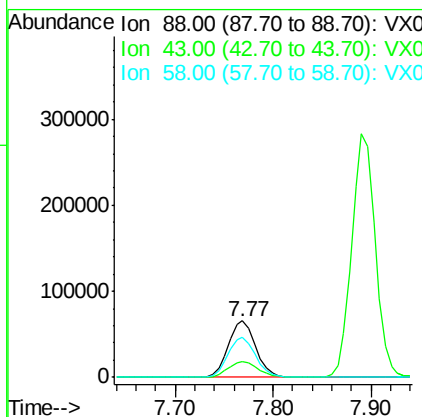
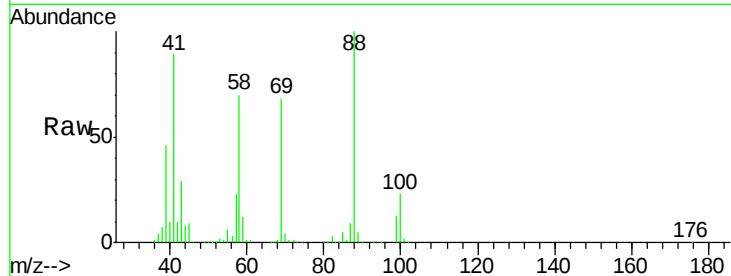
#49
1,4-Dioxane
Concen: 3801.035 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.8	38.6
58	71.6	58.3	87.5

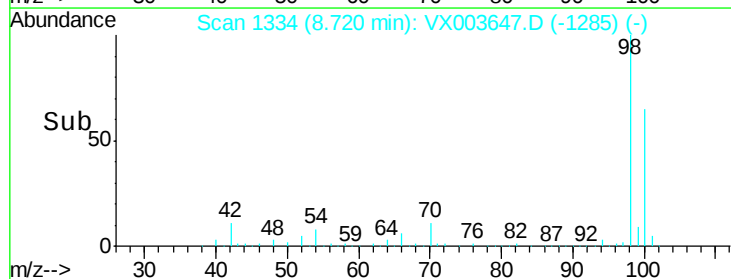
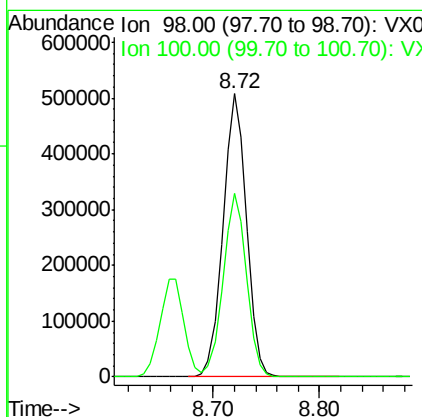
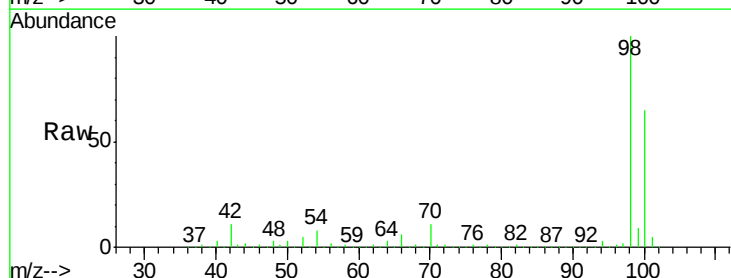
Manual Integrations
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#50
Toluene-d8
Concen: 155.417 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 996.397 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1864491

Ion Ratio Lower Upper

43 100

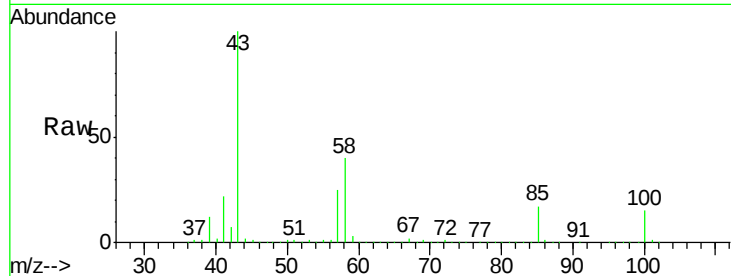
58 39.8 31.5 47.3

Manual Integrations

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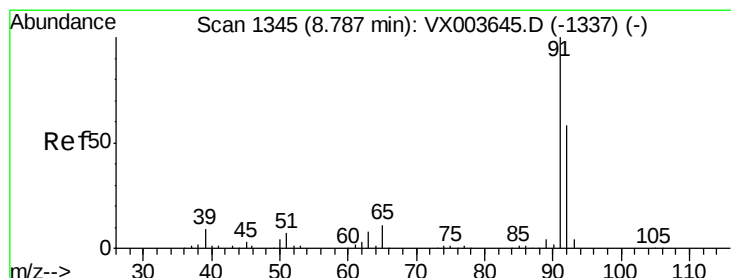
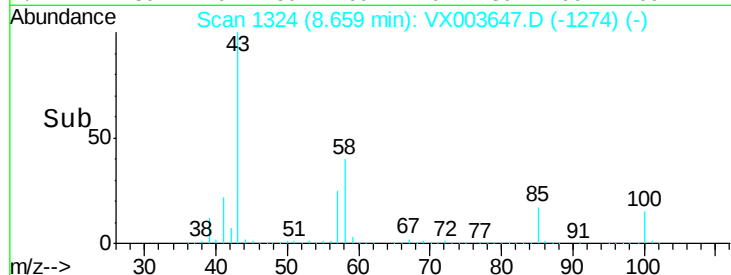
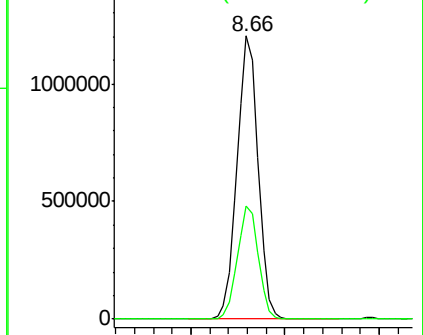
MMDadoda

8/2/2018 11:54:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 152.987 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX003647.D

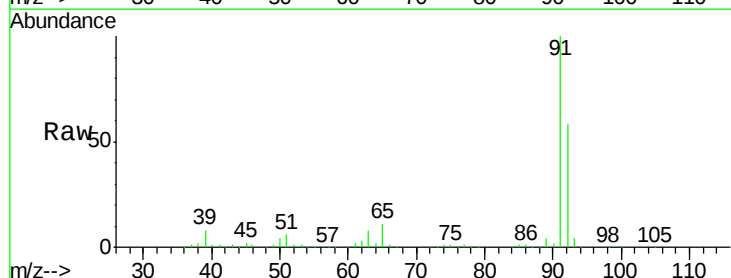
Acq: 24 Jul 2018 18:28

Tgt Ion: 92 Resp: 545551

Ion Ratio Lower Upper

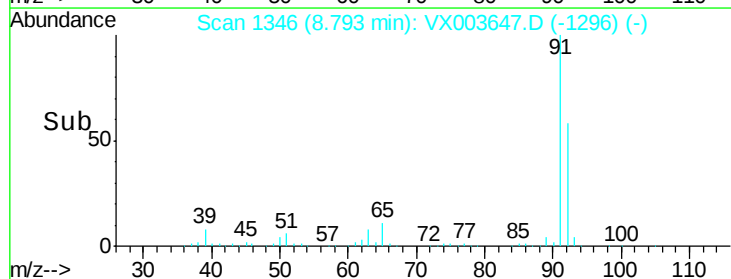
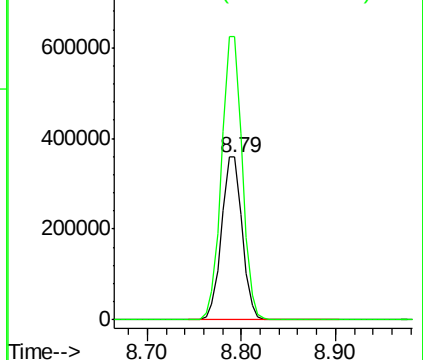
92 100

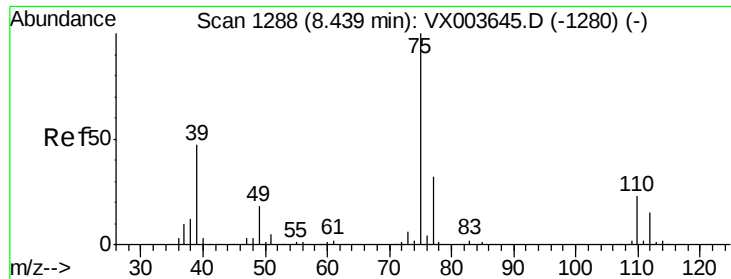
91 174.3 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





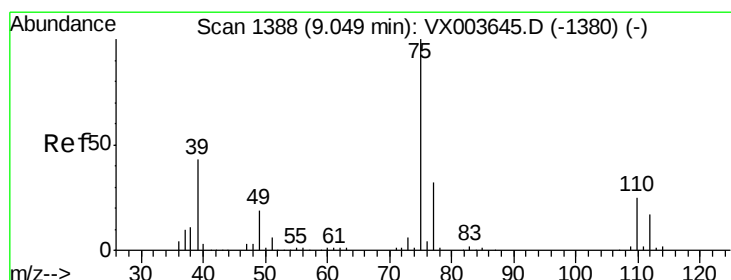
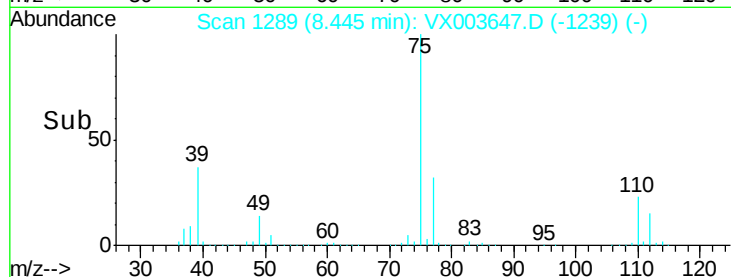
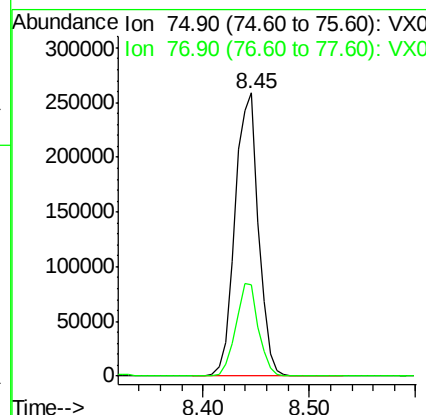
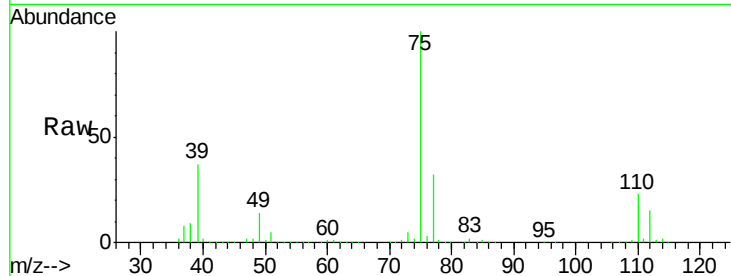
#53
t-1,3-Dichloropropene
Concen: 190.468 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100	399687		
77	32.4	25.2	37.8	

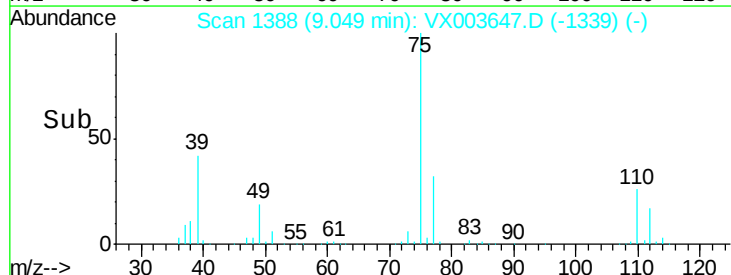
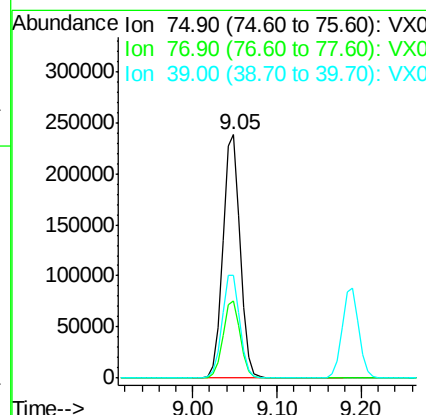
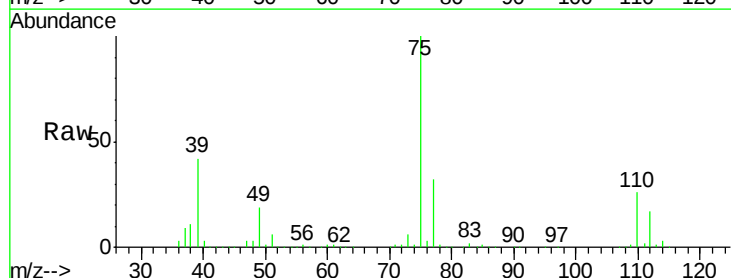
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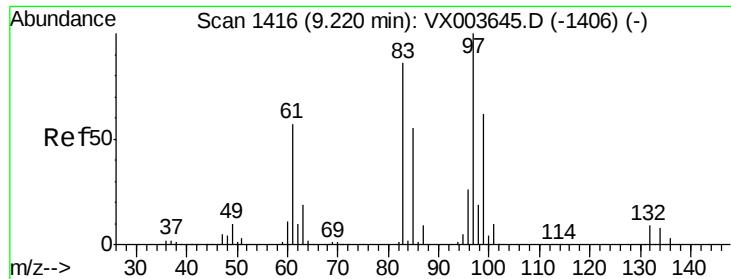
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#54
cis-1,3-Dichloropropene
Concen: 178.017 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	336852		
77	31.9	25.8	38.6	
39	42.2	34.2	51.4	





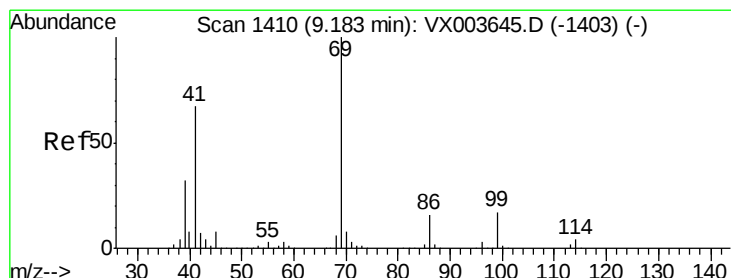
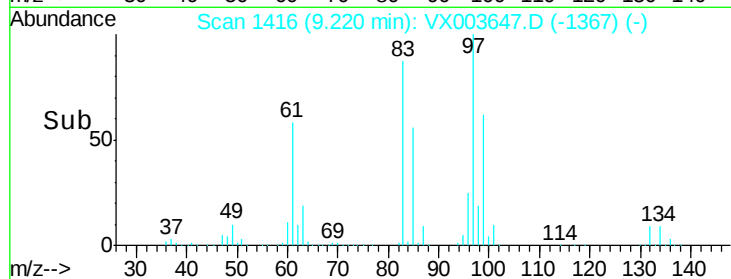
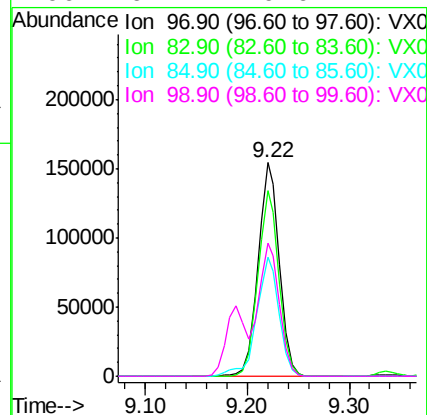
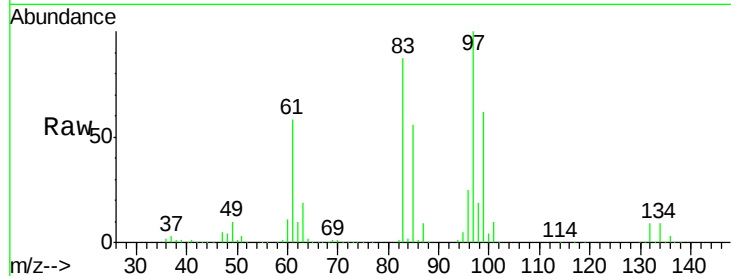
#55
 1,1,2-Trichloroethane
 Concen: 157.380 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		224567		
83	86.6	68.7	103.1		
85	55.7	43.7	65.5		
99	62.2	49.6	74.4		

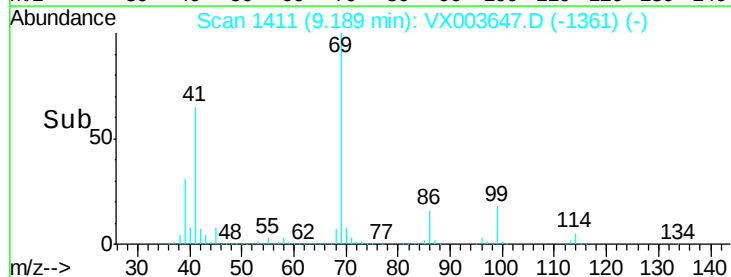
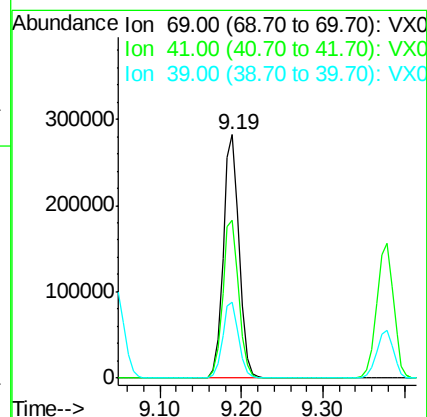
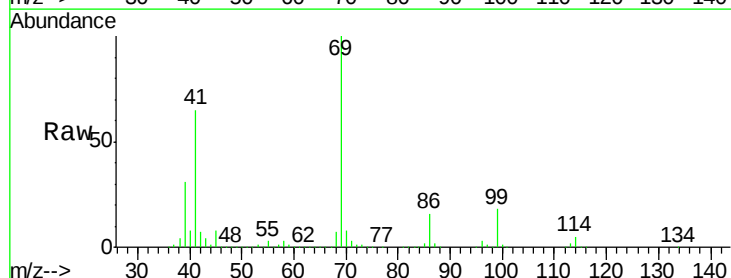
Manual Integrations
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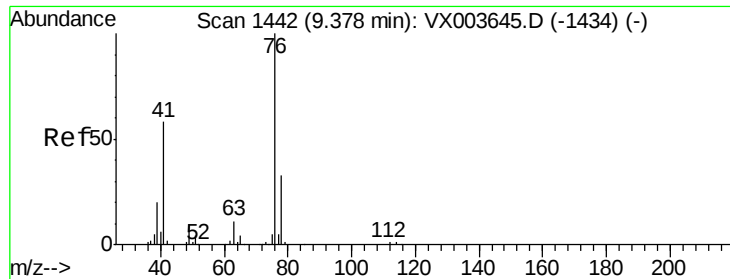
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 8/2/2018 11:54:18 AM



#56
 Ethyl methacrylate
 Concen: 187.909 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		381877		
41	66.1	53.8	80.6		
39	31.8	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 166.955 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 387166

Ion Ratio Lower Upper

76 100

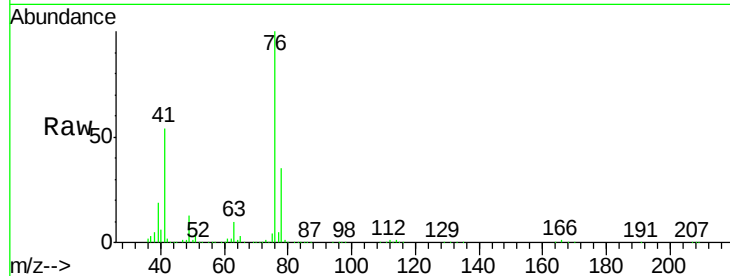
78 33.4 25.6 38.4

Manual Integrations

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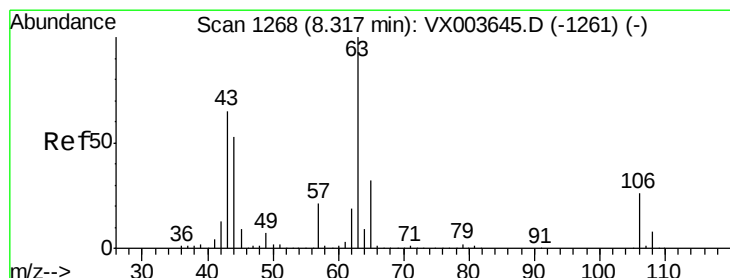
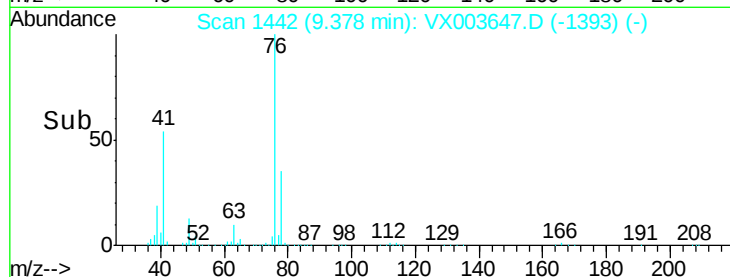
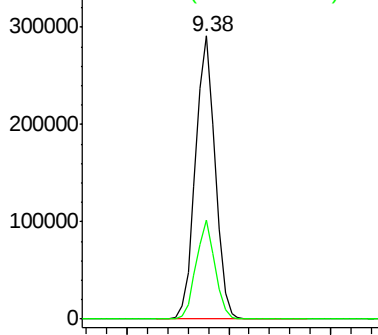
MMDadoda

8/2/2018 11:54:18 AM



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: 930.269 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX003647.D

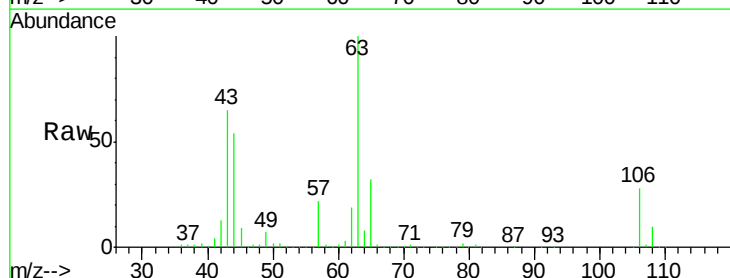
Acq: 24 Jul 2018 18:28

Tgt Ion: 63 Resp: 929427

Ion Ratio Lower Upper

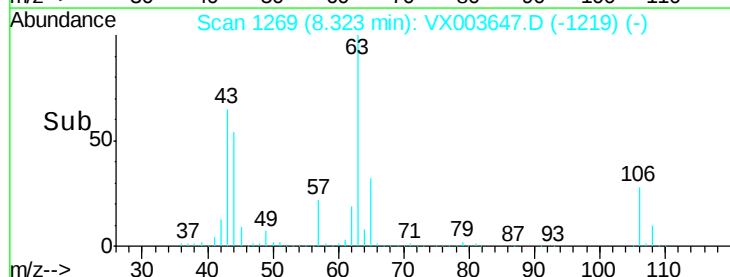
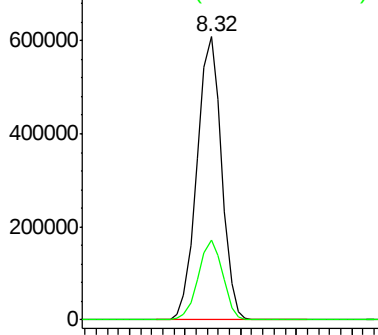
63 100

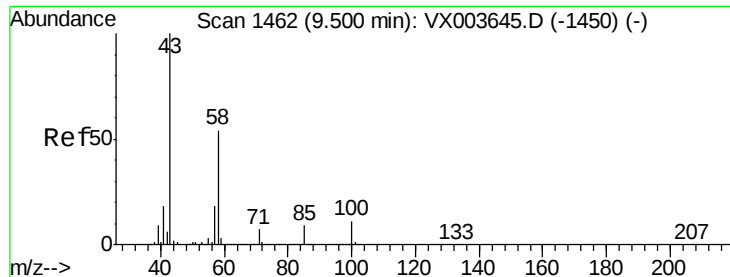
106 28.0 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





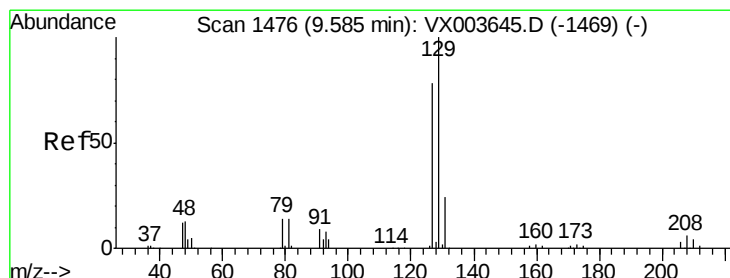
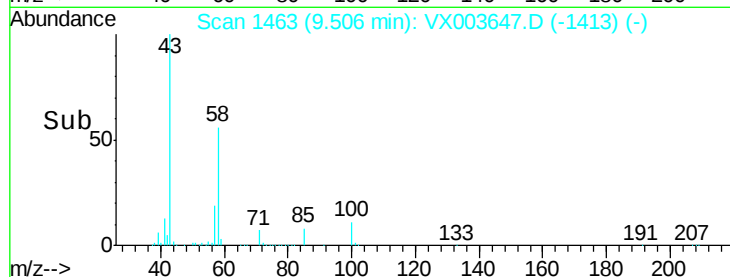
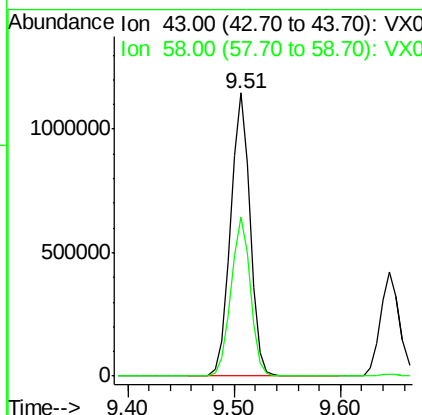
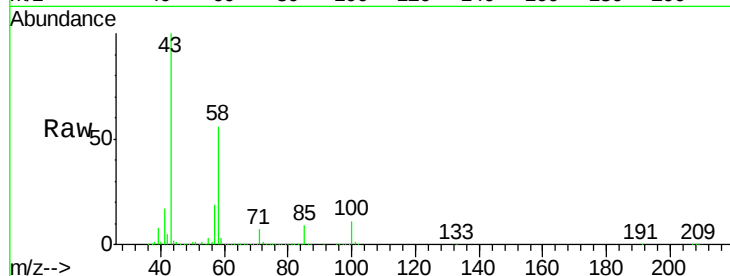
#59
2-Hexanone
Concen: 1056.113 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1476450
Ion Ratio Lower Upper
43 100
58 55.9 27.3 81.9

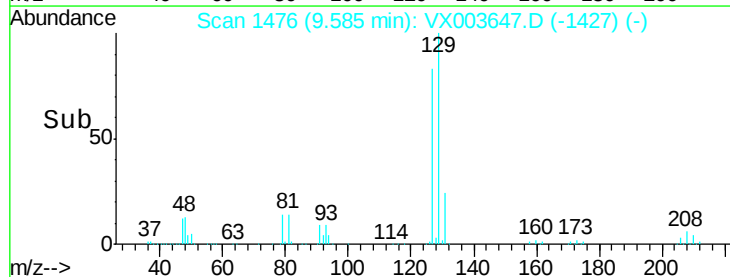
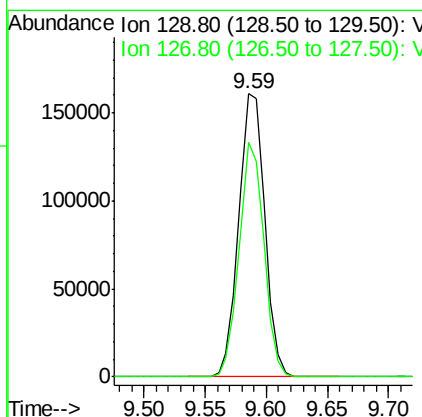
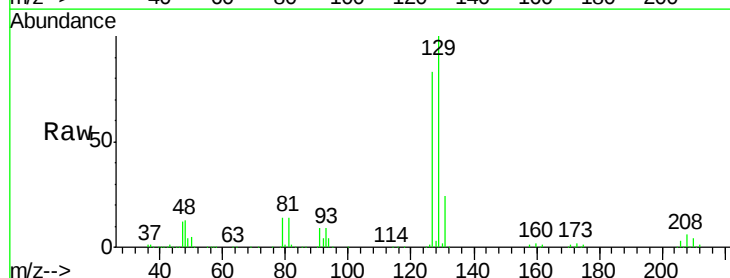
Manual Integrations
APPROVED

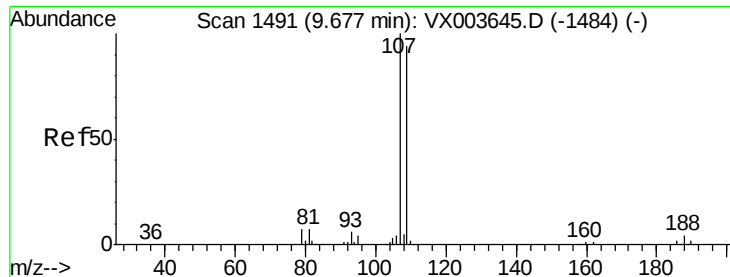
MMDadoda
8/2/2018 11:54:18 AM



#60
Dibromochloromethane
Concen: 169.068 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion: 129 Resp: 237095
Ion Ratio Lower Upper
129 100
127 78.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 163.784 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 242094

Ion Ratio Lower Upper

107 100

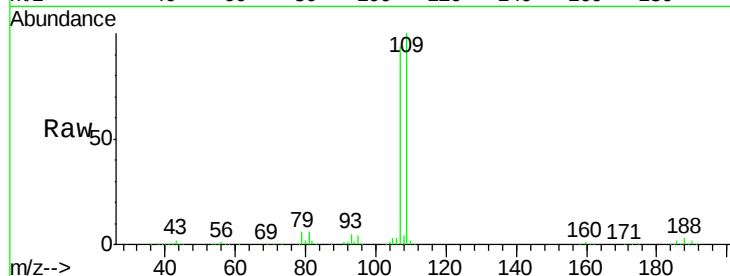
109 97.9 75.4 113.2

Manual Integrations

APPROVED

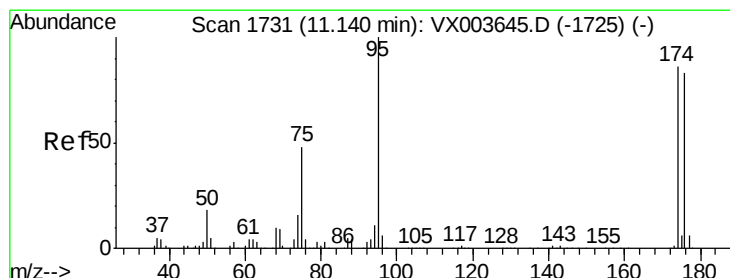
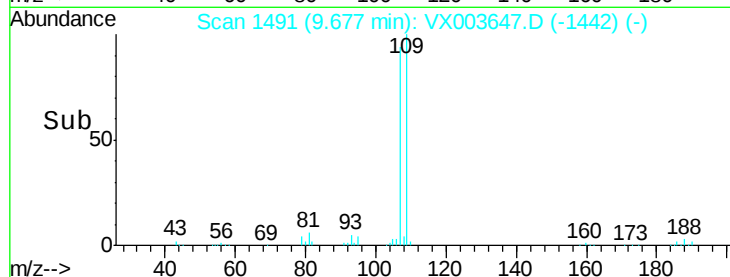
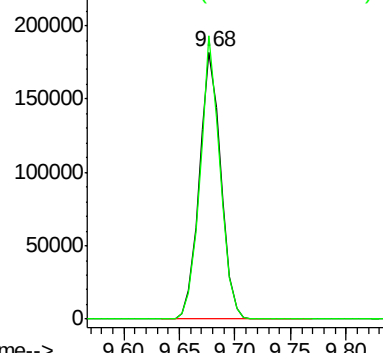
MMDadoda

8/2/2018 11:54:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 167.556 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

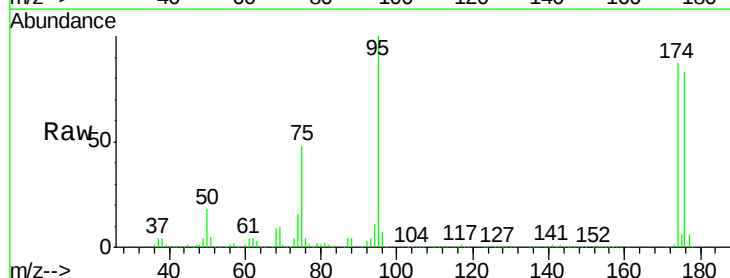
Tgt Ion: 95 Resp: 306933

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.0

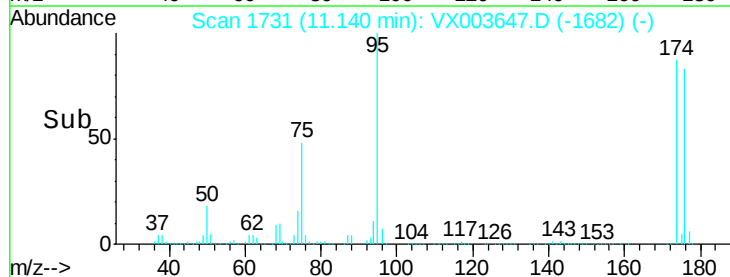
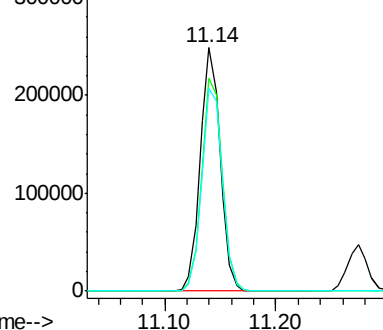
176 86.3 0.0 173.0

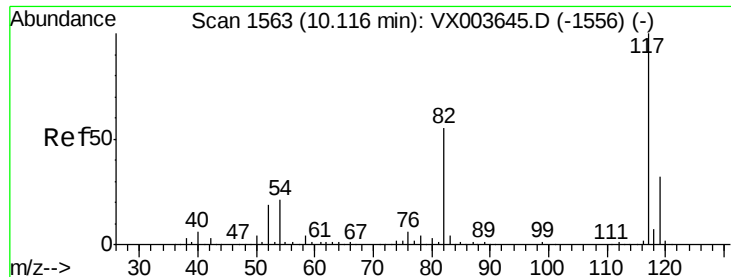


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





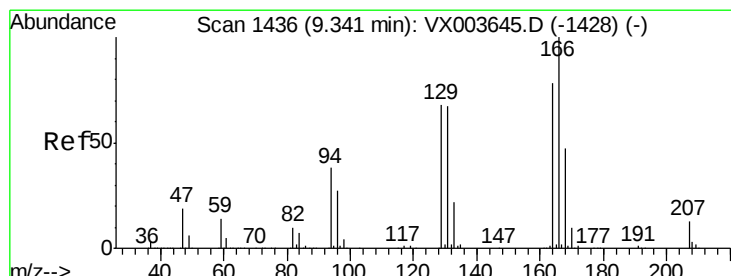
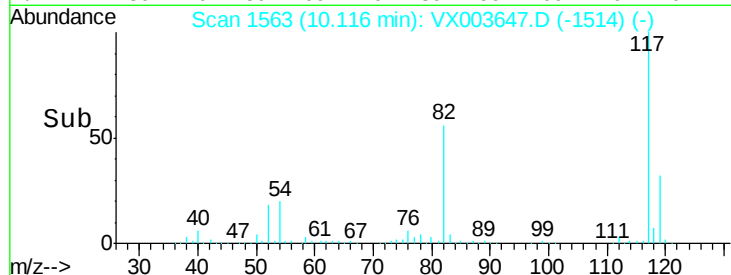
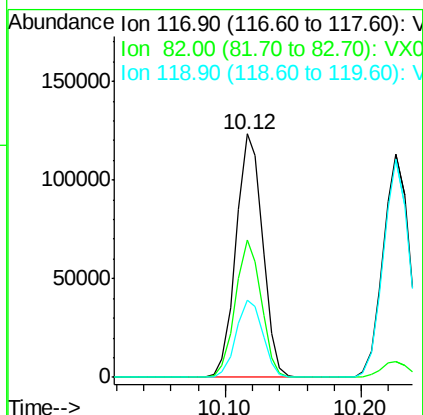
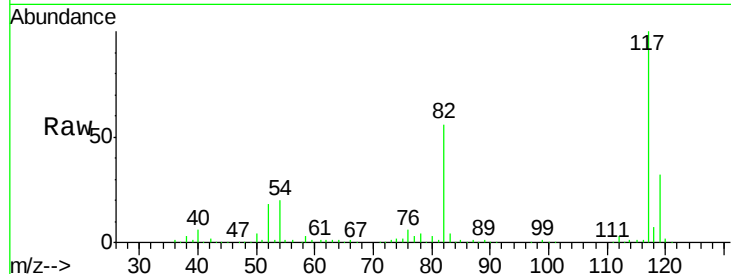
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.3	66.5
119	31.6	25.6	38.4

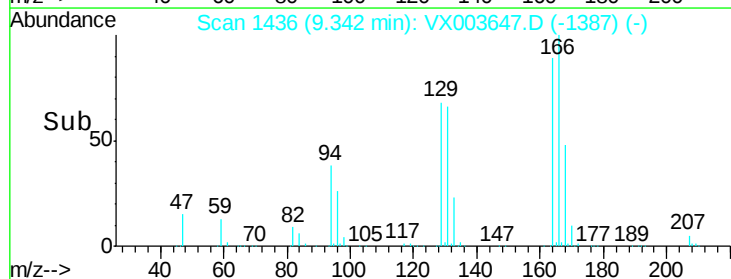
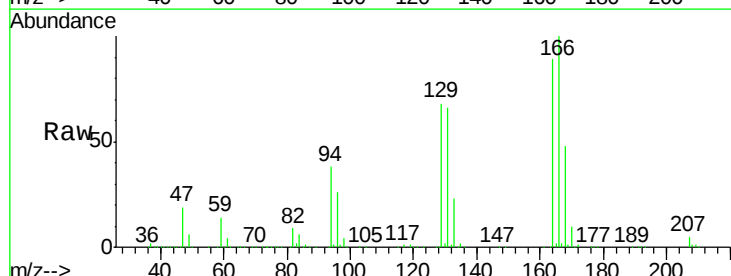
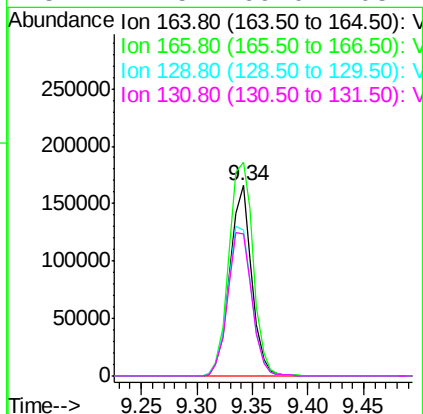
Manual Integrations
APPROVED

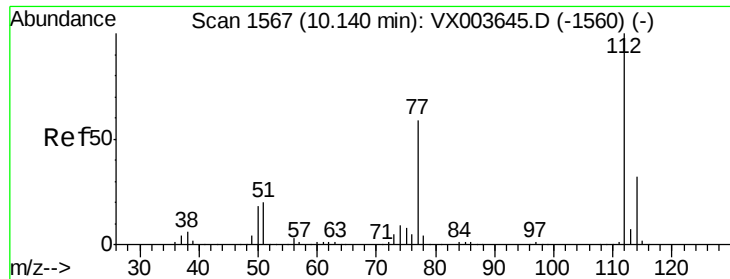
MMDadoda
8/2/2018 11:54:18 AM



#64
Tetrachloroethene
Concen: 114.681 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.0	102.4	153.6
129	76.7	69.6	104.4
131	74.5	69.0	103.4





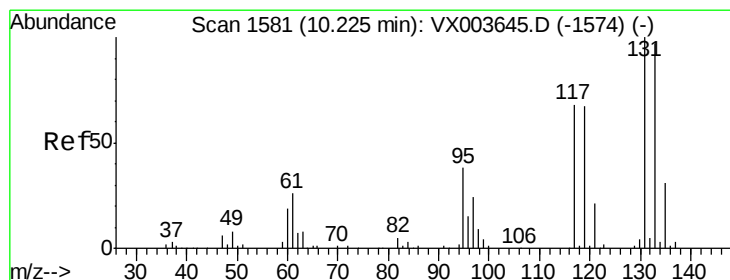
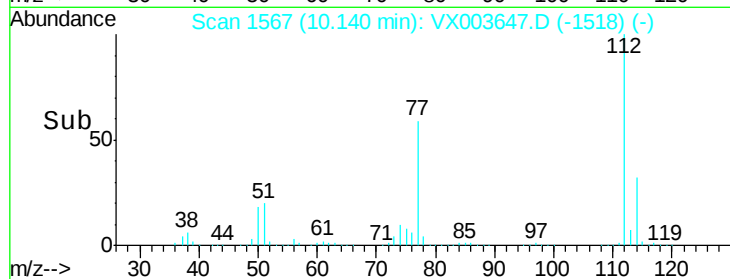
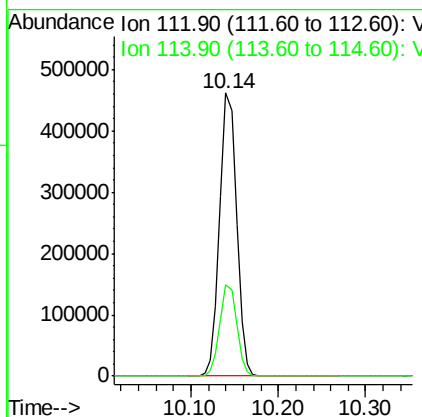
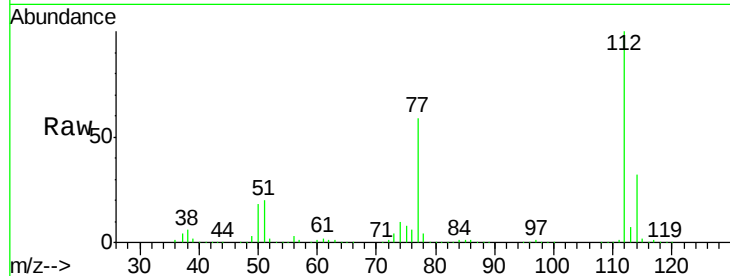
#65
Chlorobenzene
Concen: 143.834 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 620918
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

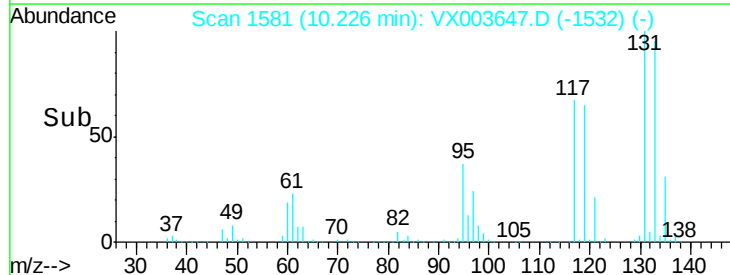
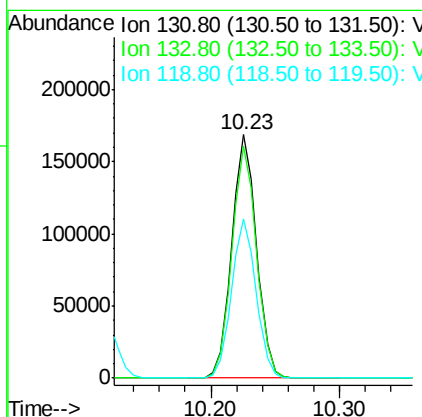
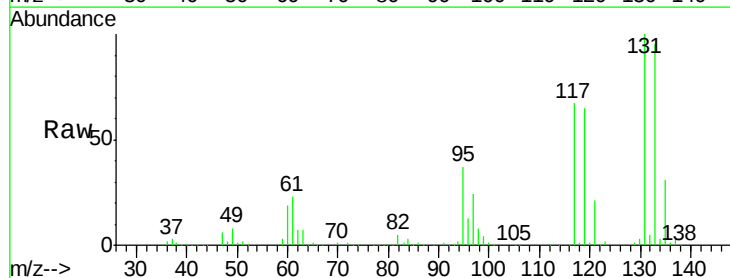
Manual Integrations
APPROVED

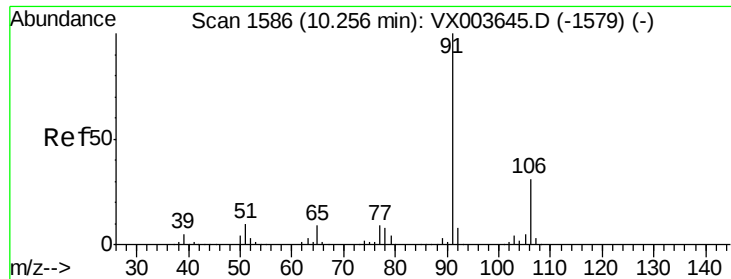
MMDadoda
8/2/2018 11:54:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 152.340 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion:131 Resp: 226201
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 65.0 32.8 98.4





#67

Ethyl Benzene

Concen: 154.728 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1083239

Ion Ratio Lower Upper

91 100

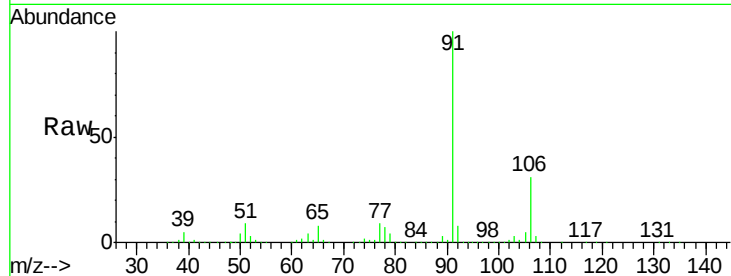
106 31.3 25.0 37.6

Manual Integrations

APPROVED

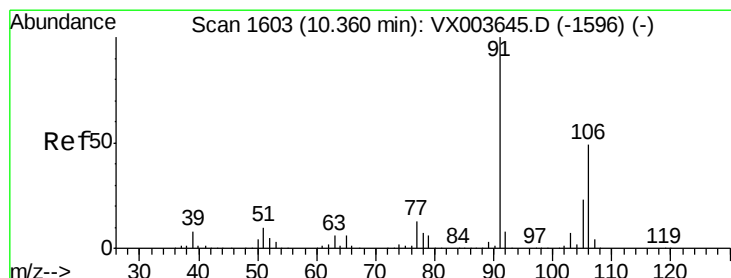
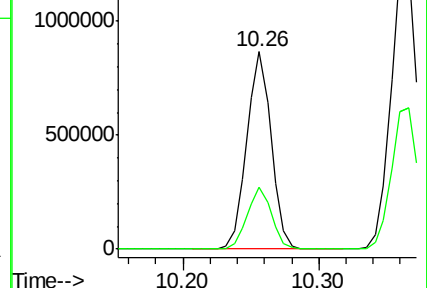
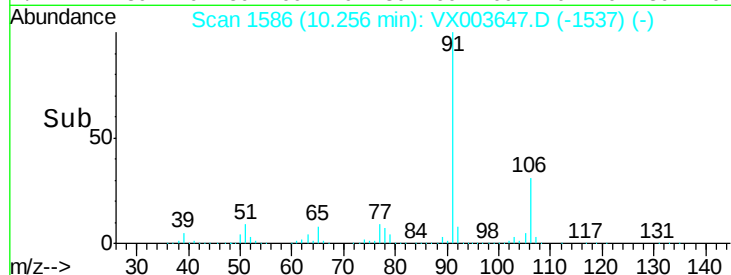
MMDadoda

8/2/2018 11:54:18 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003647.D (-1579) (-)

Ion 106.00 (105.70 to 106.70): VX003647.D (-1579) (-)



#68

m/p-Xylenes

Concen: 307.927 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003647.D

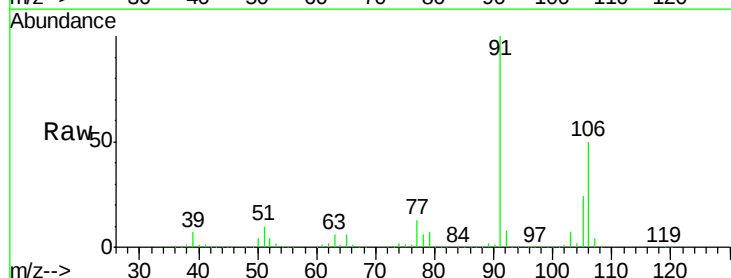
Acq: 24 Jul 2018 18:28

Tgt Ion: 106 Resp: 842175

Ion Ratio Lower Upper

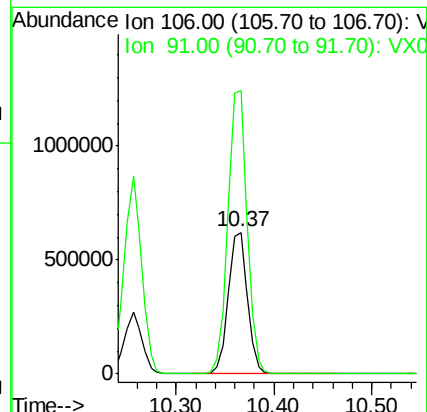
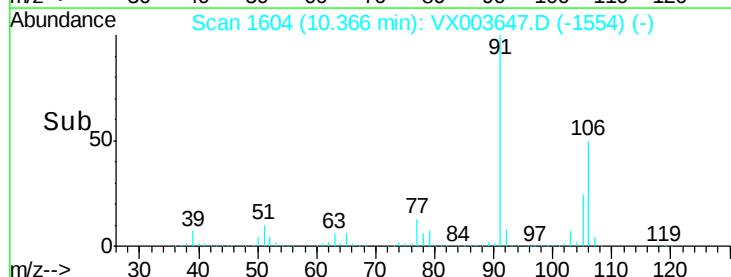
106 100

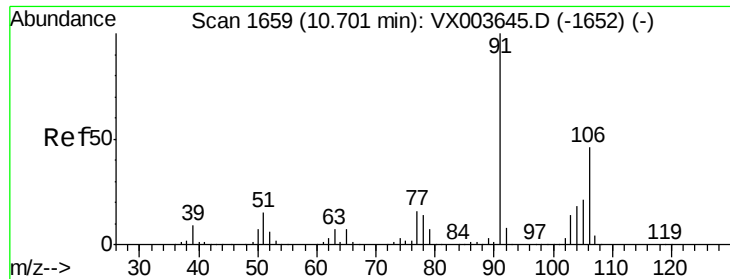
91 201.7 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VX003647.D (-1596) (-)

Ion 91.00 (90.70 to 91.70): VX003647.D (-1596) (-)





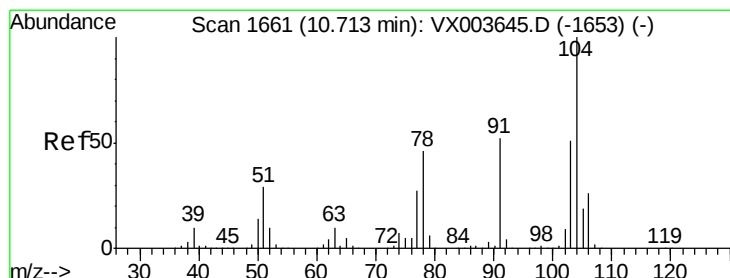
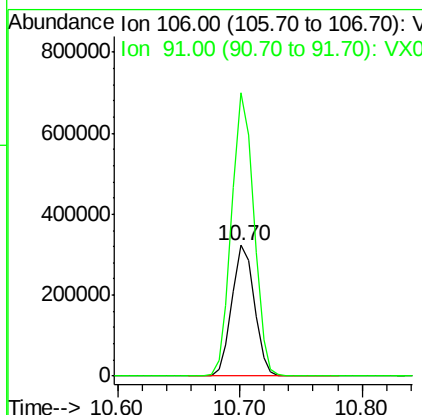
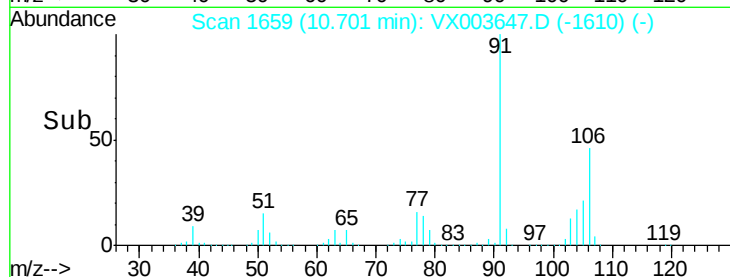
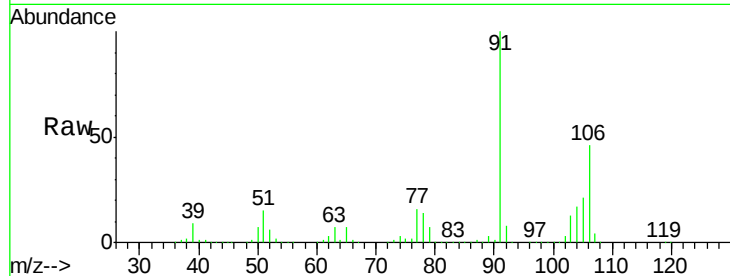
#69
o-Xylene
Concen: 155.182 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 409745
Ion Ratio Lower Upper
106 100
91 214.7 107.1 321.1

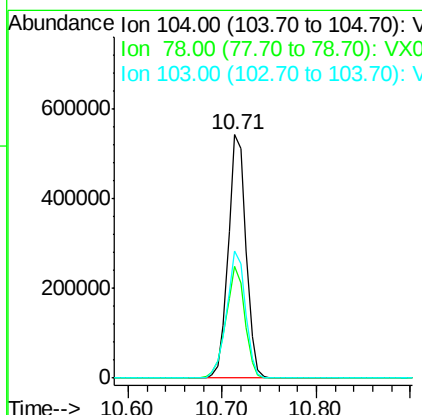
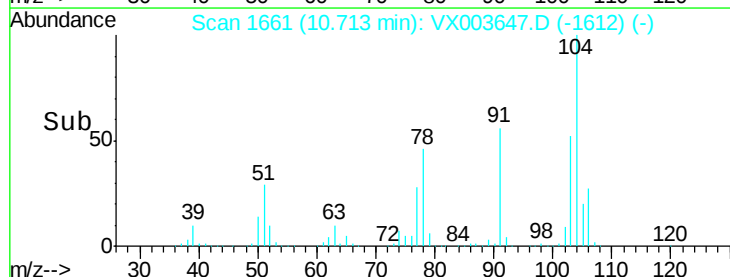
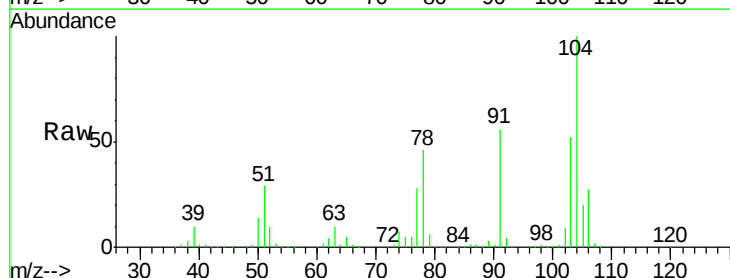
Manual Integrations
APPROVED

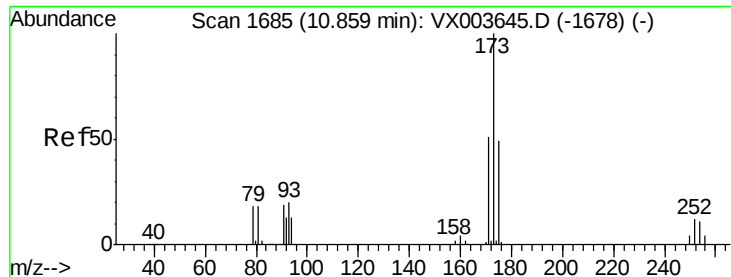
MMDadoda
8/2/2018 11:54:18 AM



#70
Styrene
Concen: 162.886 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion:104 Resp: 709569
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 55.5 44.2 66.4





#71

Bromoform

Concen: 176.426 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

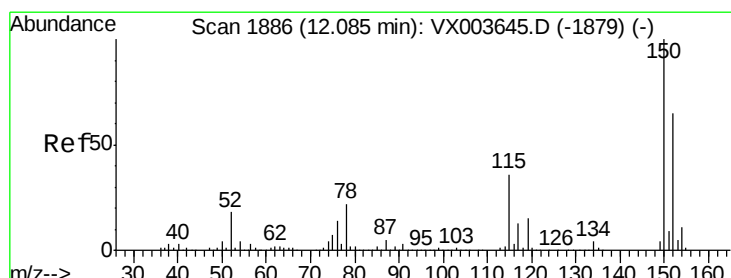
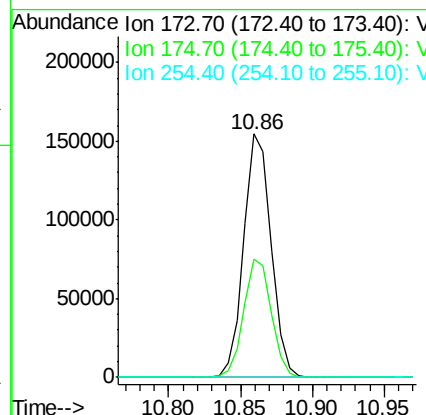
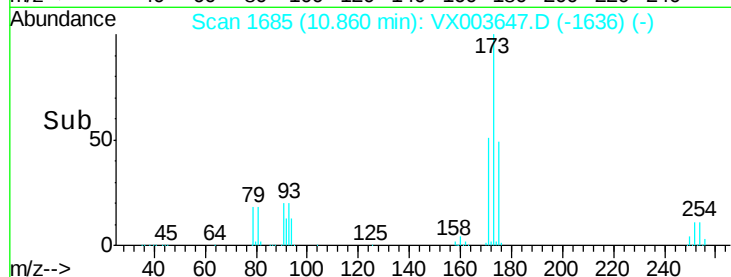
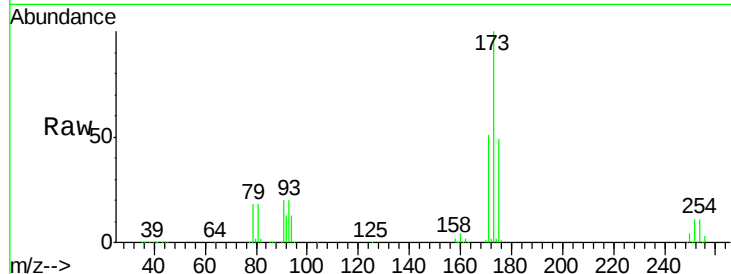
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.2
254	0.2	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

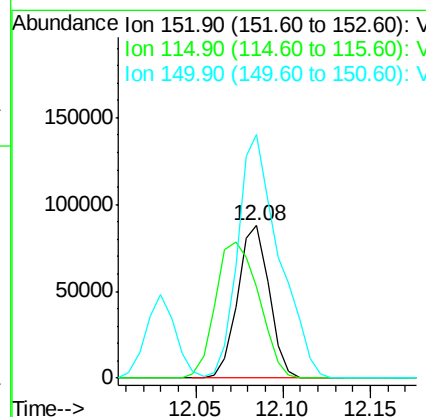
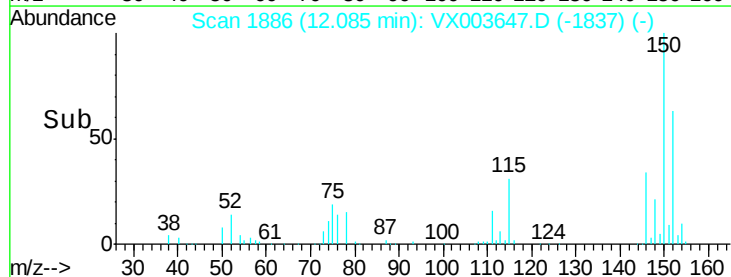
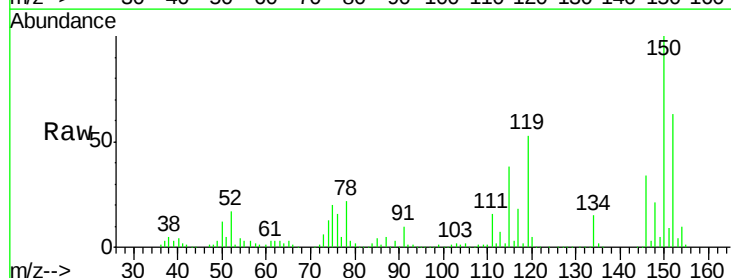
RT: 12.08 min Scan# 1886

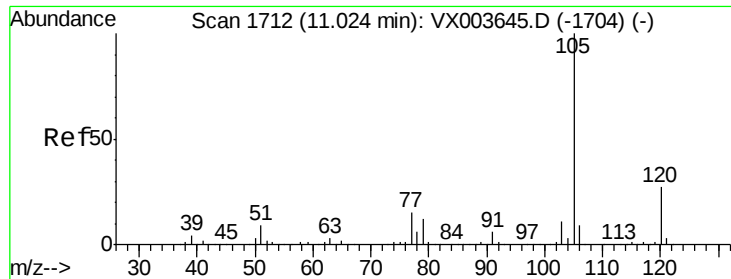
Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	123.1	40.0	119.9
150	208.5	0.0	348.4





#73

Isopropylbenzene

Concen: 142.357 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:105 Resp: 1086649

Ion Ratio Lower Upper

105 100

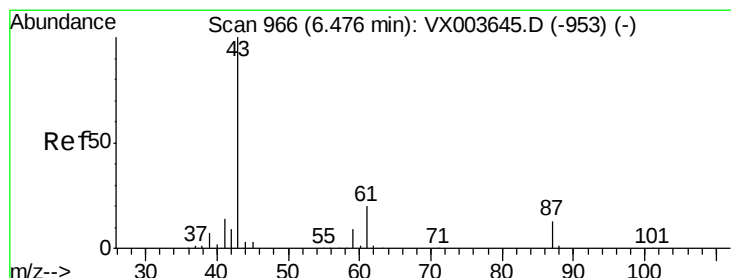
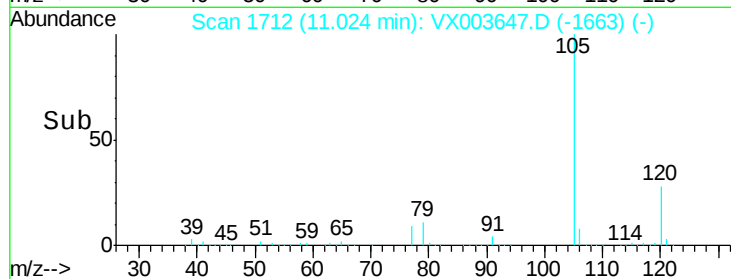
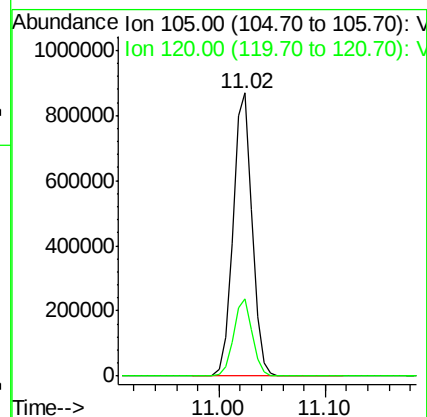
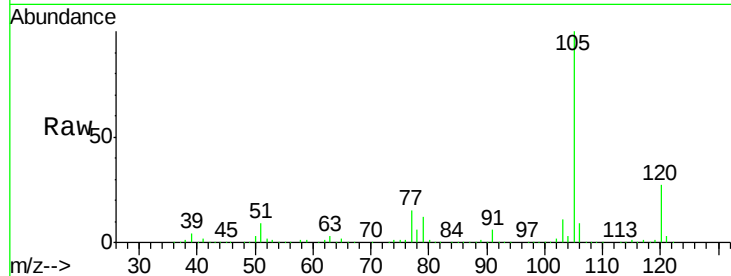
120 26.9 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 162.231 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion: 43 Resp: 545945

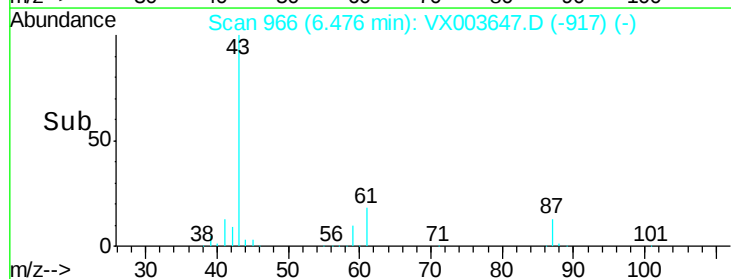
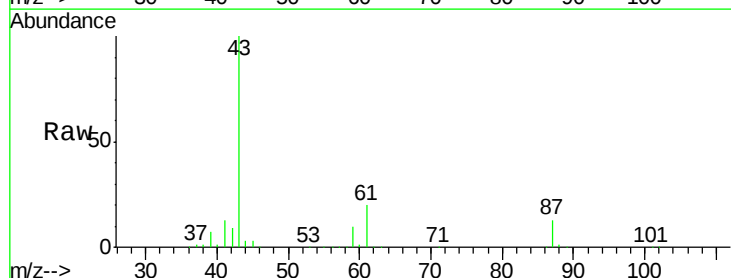
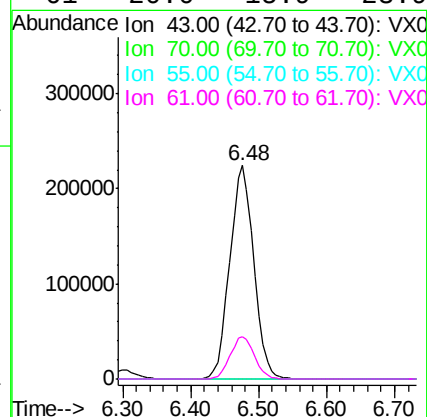
Ion Ratio Lower Upper

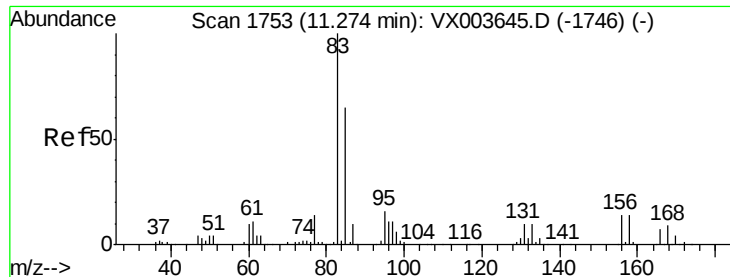
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.0 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 170.325 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 394628

Ion Ratio Lower Upper

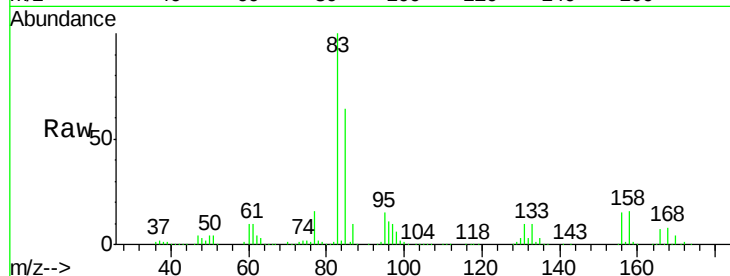
83 100

131 10.3 5.1 15.4

85 64.4 31.9 95.9

Manual Integrations
APPROVED

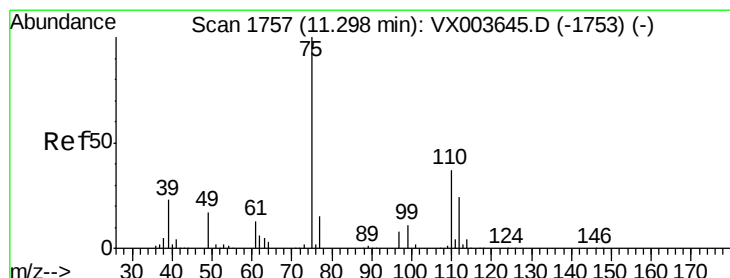
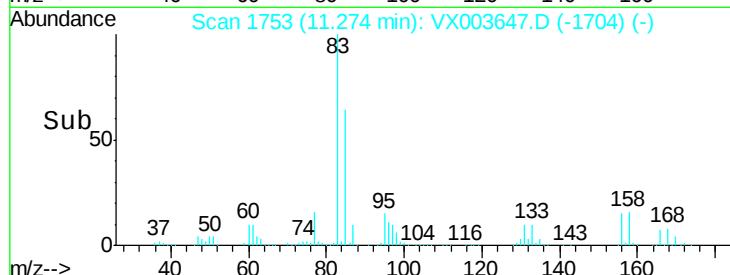
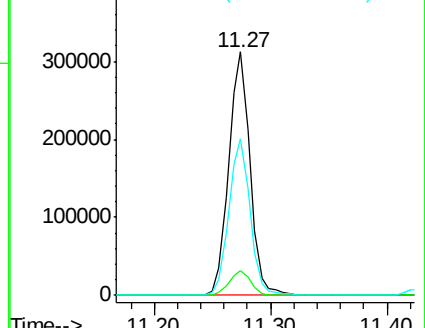
MMDadoda
8/2/2018 11:54:18 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 158.728 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003647.D

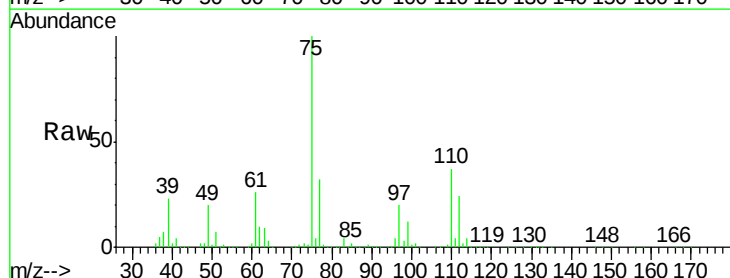
Acq: 24 Jul 2018 18:28

Tgt Ion: 75 Resp: 322864

Ion Ratio Lower Upper

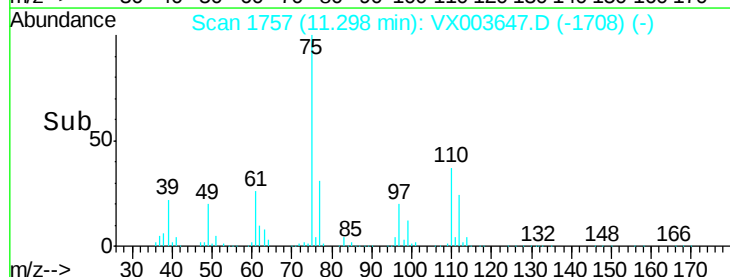
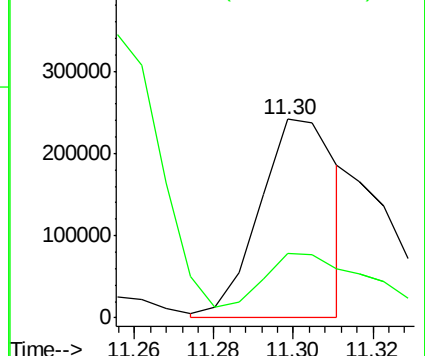
75 100

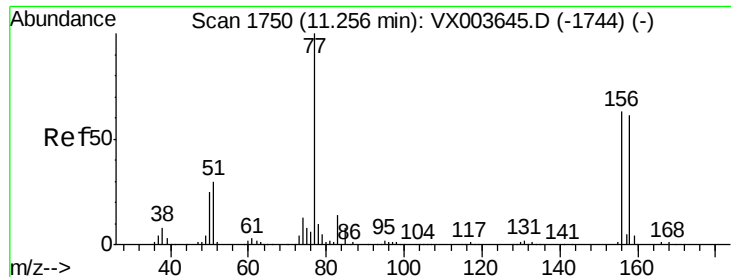
77 46.5 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 134.510 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 292439

Ion Ratio Lower Upper

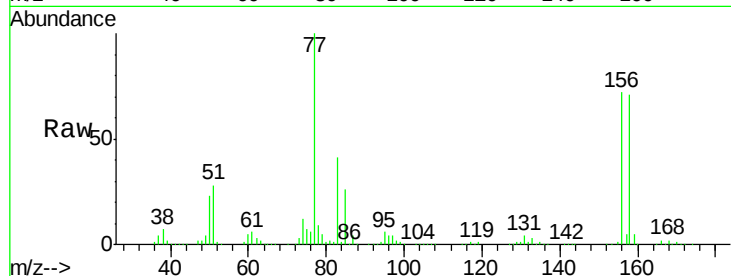
156 100

77 149.9 74.9 224.6

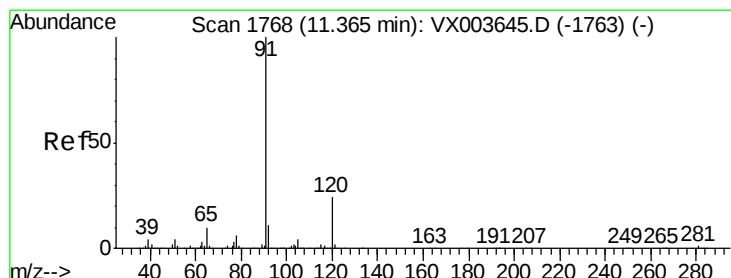
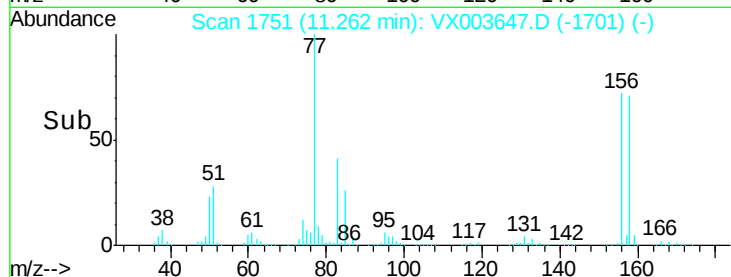
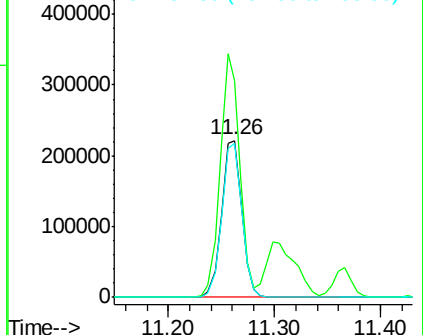
158 97.9 48.4 145.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 149.159 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003647.D

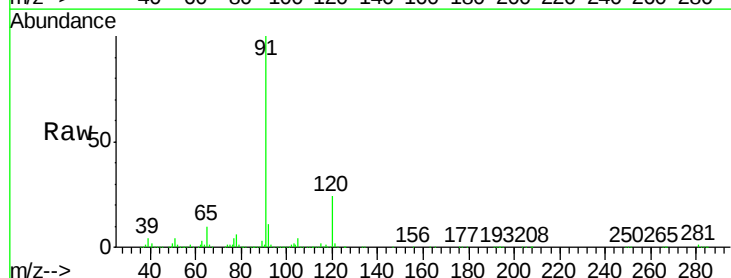
Acq: 24 Jul 2018 18:28

Tgt Ion: 91 Resp: 1275228

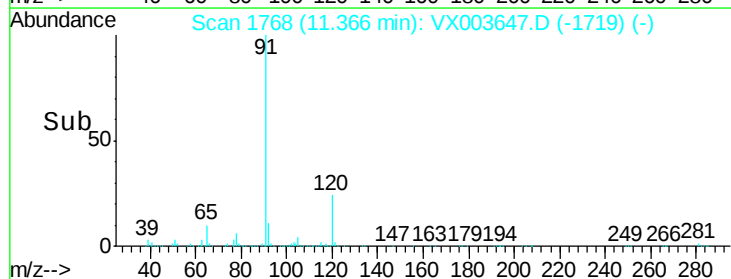
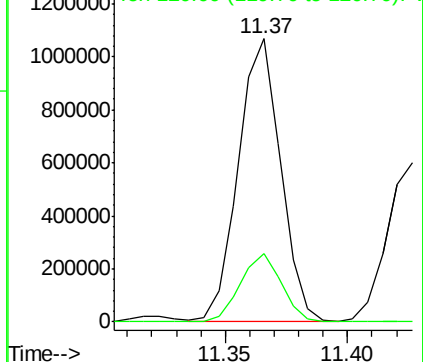
Ion Ratio Lower Upper

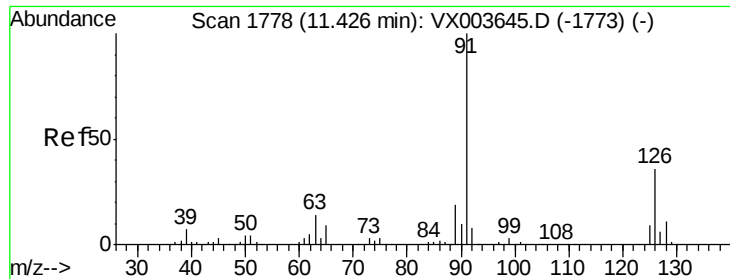
91 100

120 23.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





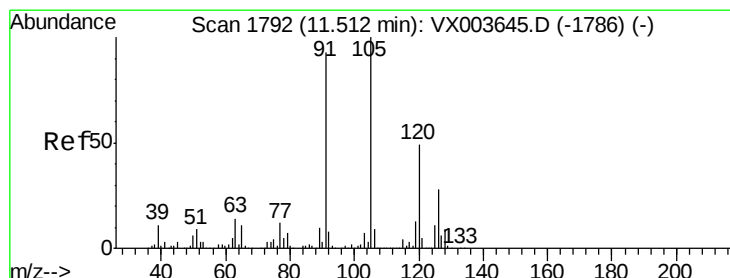
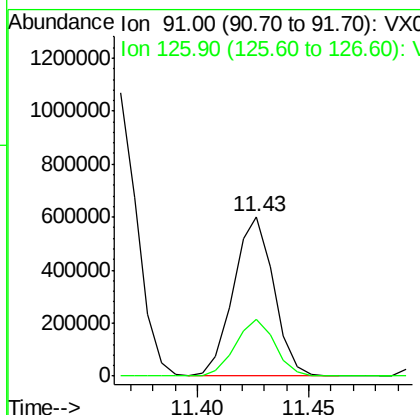
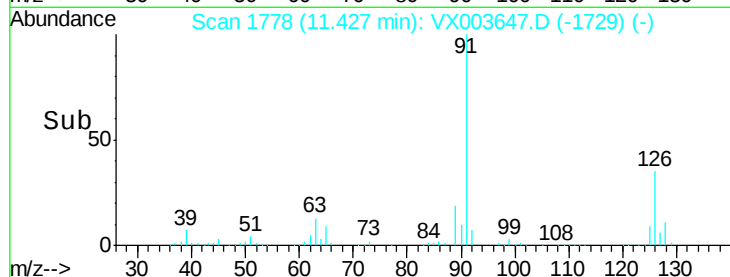
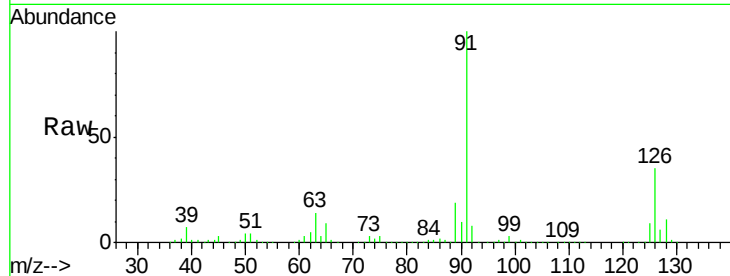
#79
 2-Chlorotoluene
 Concen: 145.321 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 753656
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.3 52.0

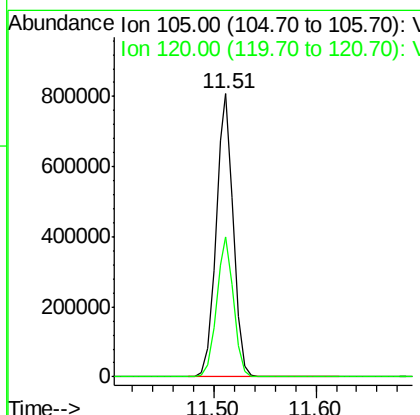
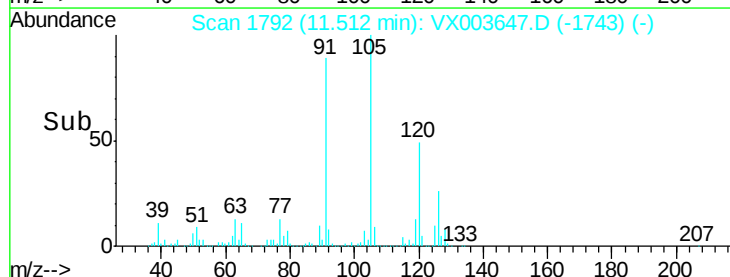
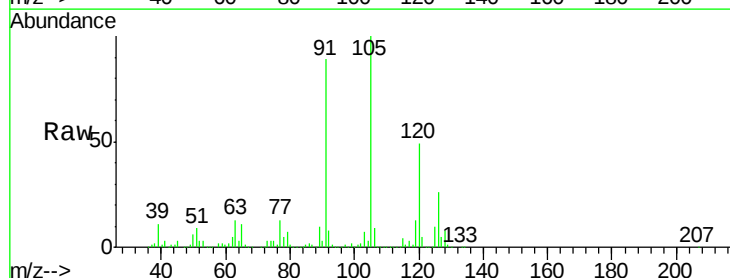
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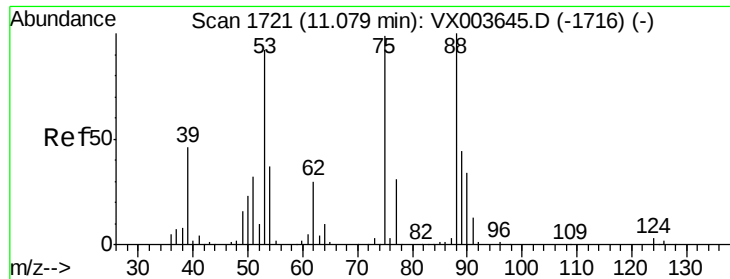
MMDadoda
 8/2/2018 11:54:18 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 151.048 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Tgt Ion: 105 Resp: 953284
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 201.075 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 129001
Ion Ratio Lower Upper

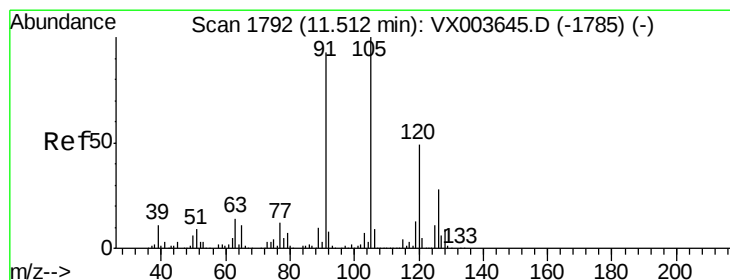
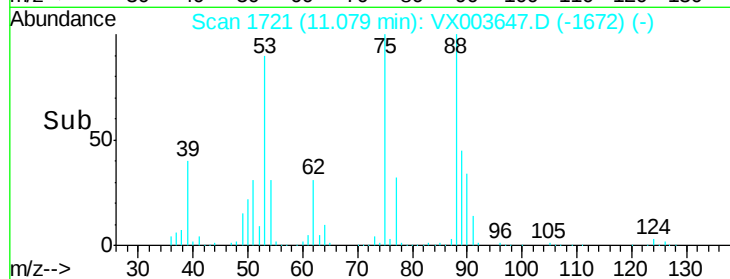
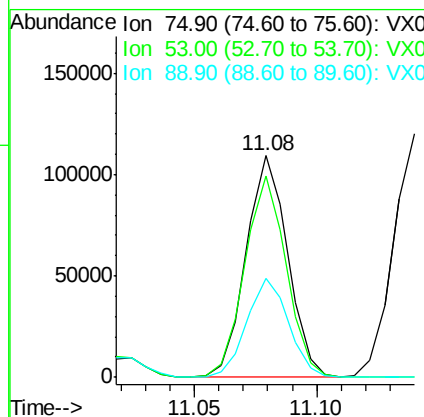
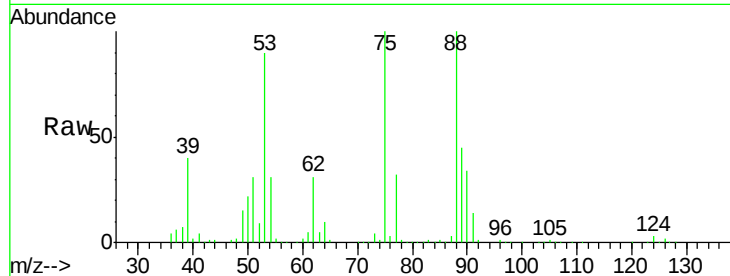
75 100

53 90.5 77.8 116.8

89 45.0 36.6 54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 149.510 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

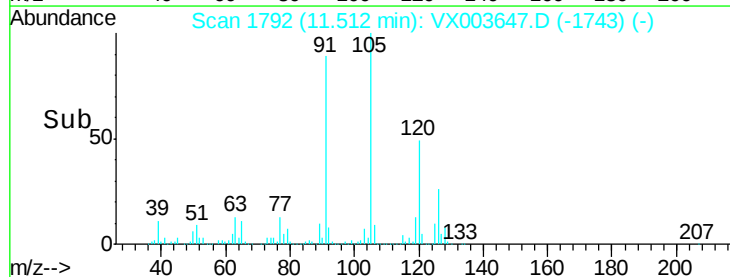
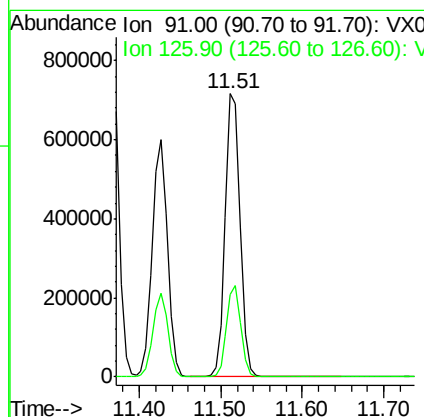
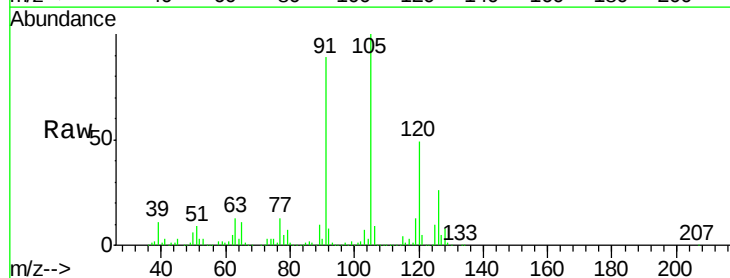
Lab File: VX003647.D

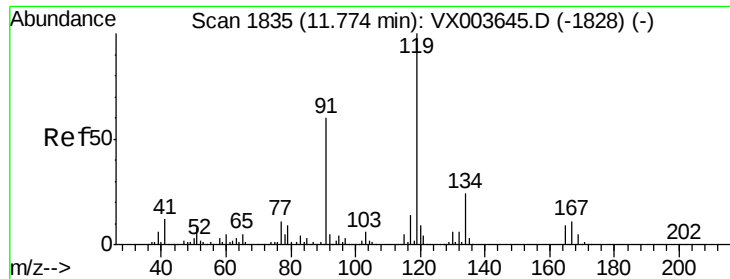
Acq: 24 Jul 2018 18:28

Tgt Ion: 91 Resp: 910141
Ion Ratio Lower Upper

91 100

126 31.0 15.4 46.1





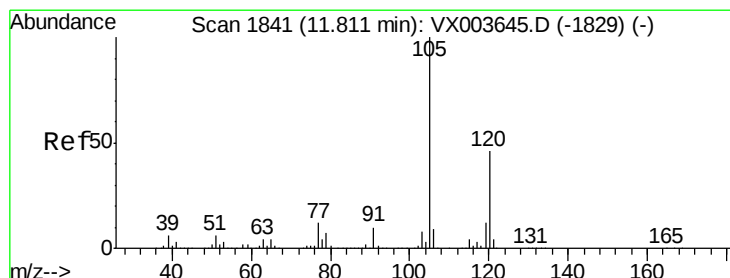
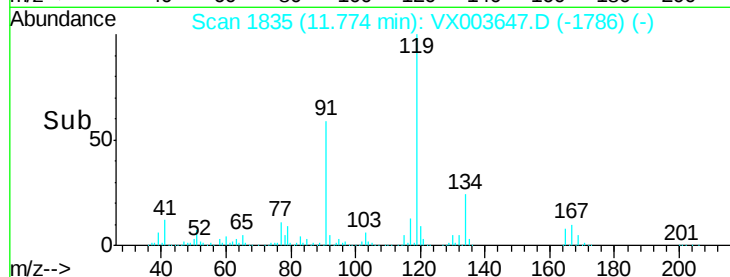
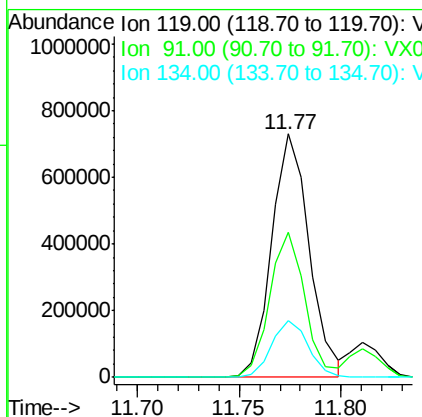
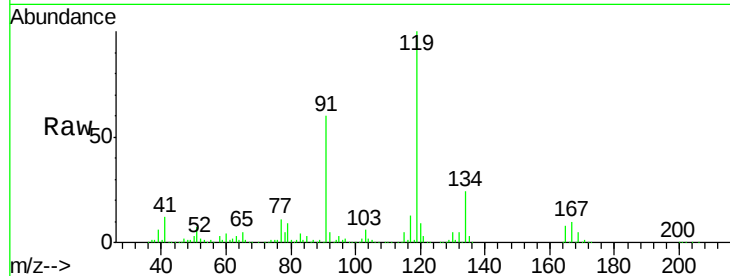
#83
 tert-Butylbenzene
 Concen: 152.186 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	939185		
91	56.0		28.4	85.2
134	22.9		11.6	34.8

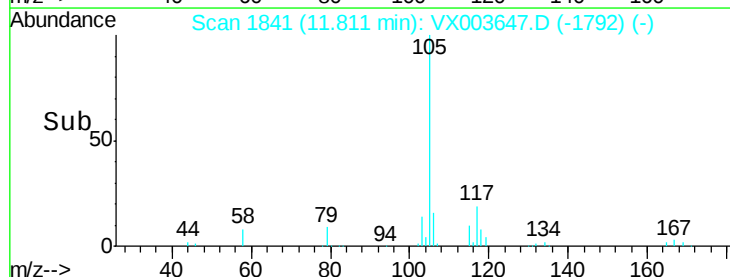
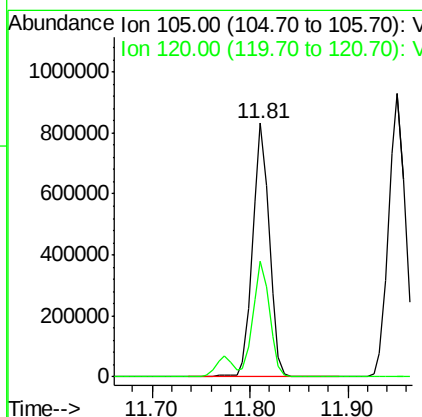
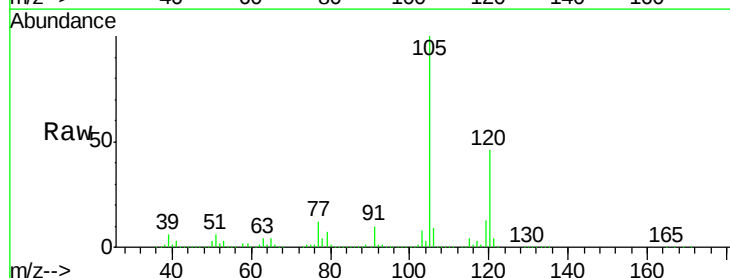
Manual Integrations
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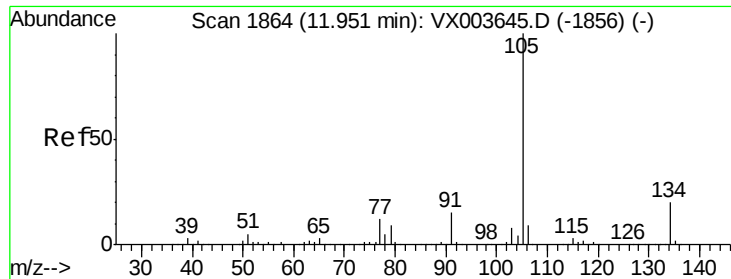
MMDadoda
 8/2/2018 11:54:18 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 152.546 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003647.D
 Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	980471		
120	45.8		22.6	67.8





#85

sec-Butylbenzene

Concen: 148.139 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1108787

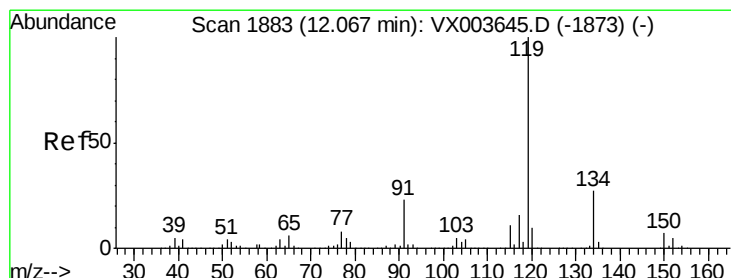
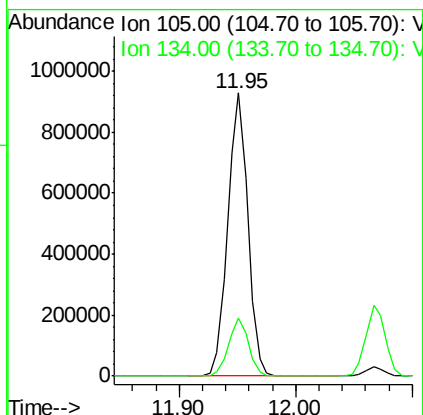
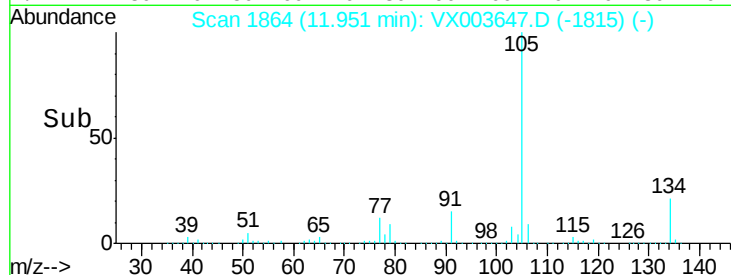
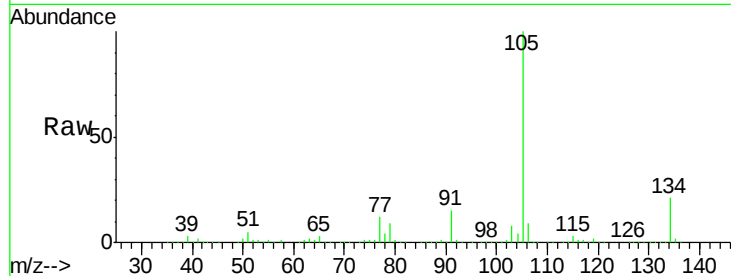
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 149.799 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

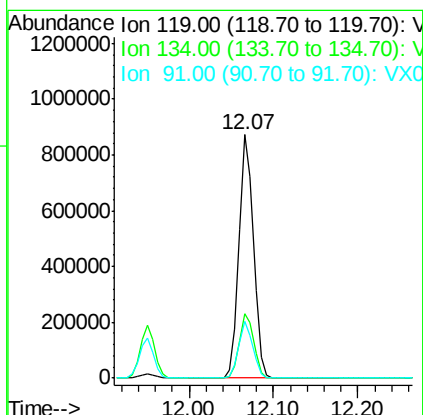
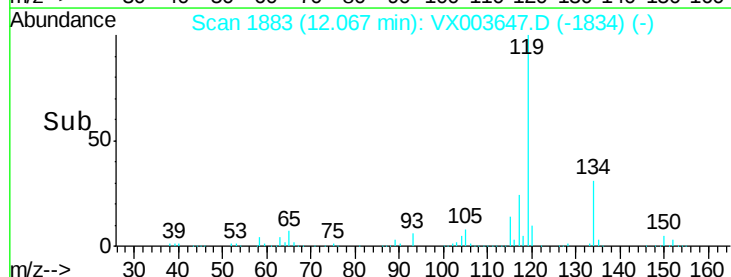
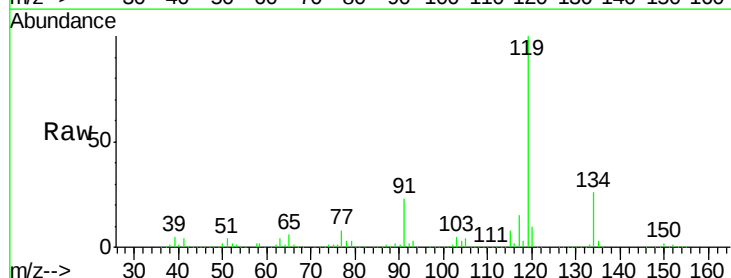
Tgt Ion:119 Resp: 1004921

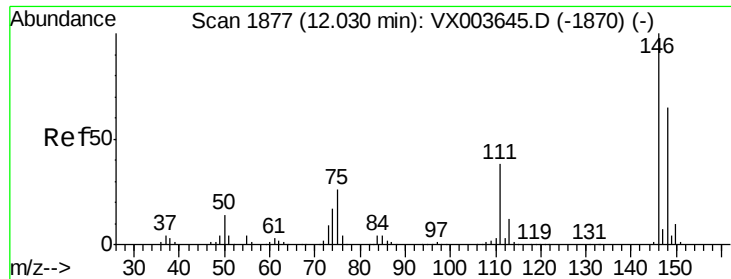
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.7 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 137.952 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 553937

Ion Ratio Lower Upper

146 100

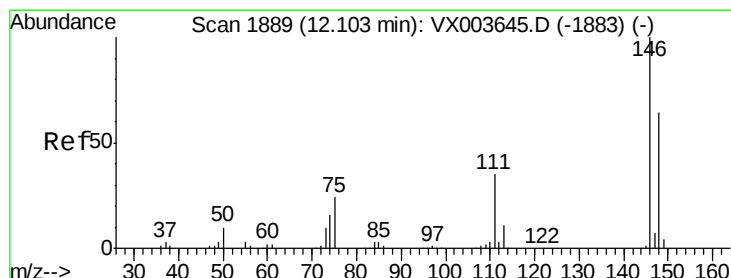
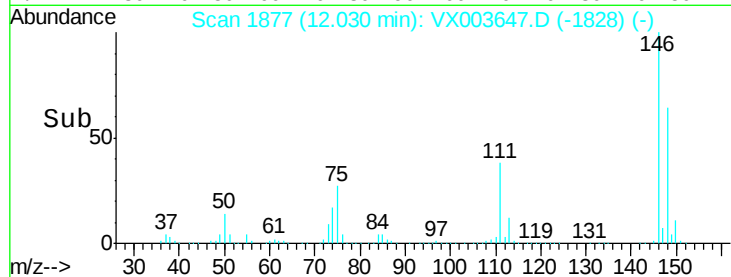
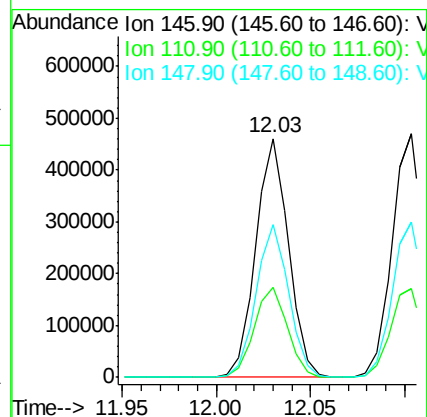
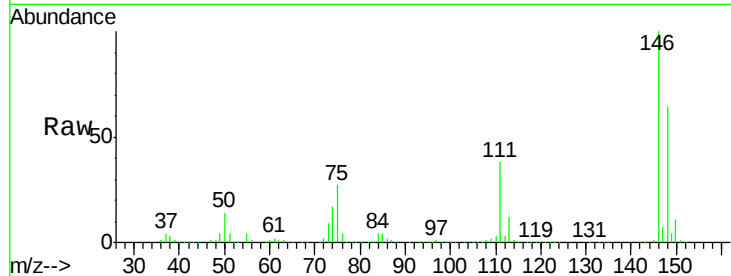
111 38.2 19.4 58.2

148 64.0 32.4 97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 136.815 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

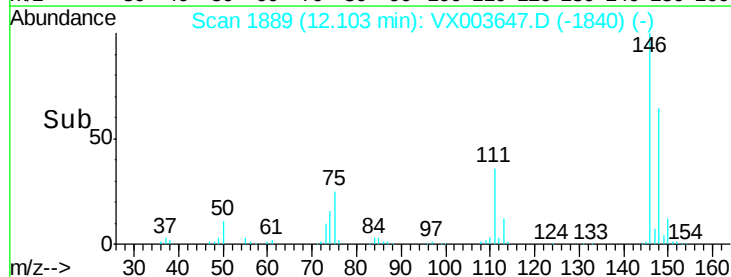
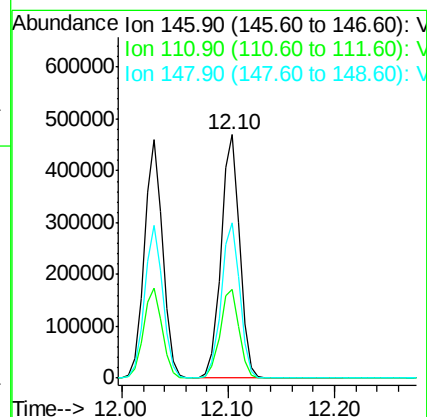
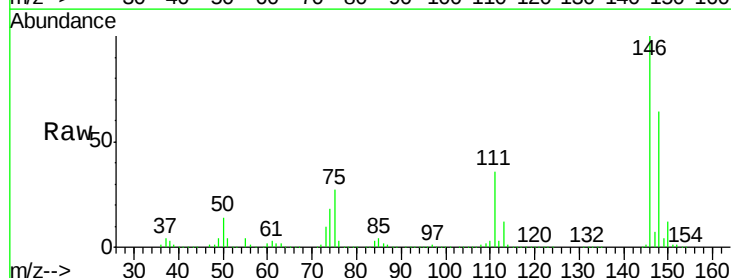
Tgt Ion:146 Resp: 566885

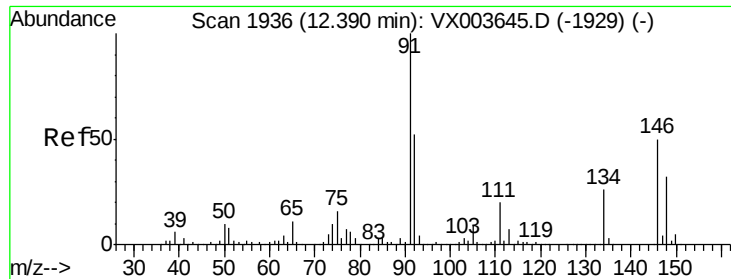
Ion Ratio Lower Upper

146 100

111 37.0 18.6 55.6

148 63.9 32.0 96.2





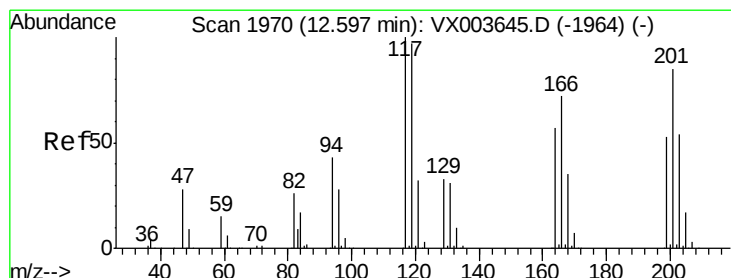
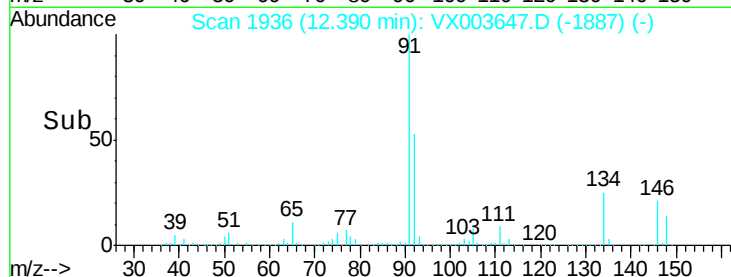
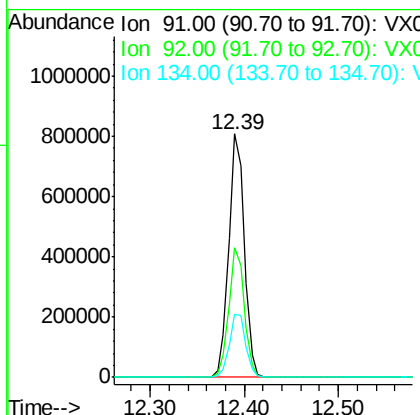
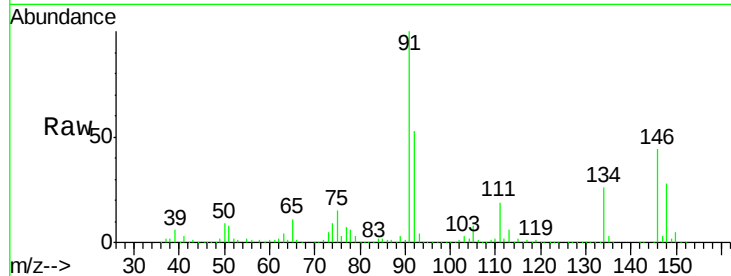
#89
n-Butylbenzene
Concen: 161.966 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	26.8	13.3	39.8

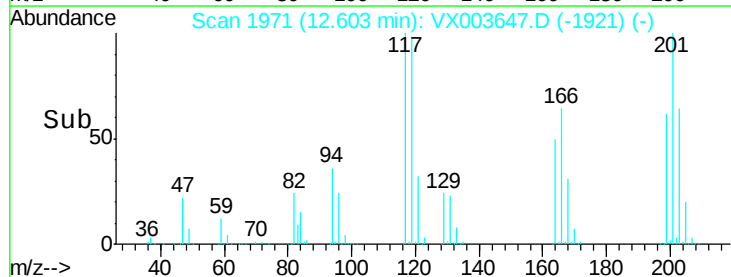
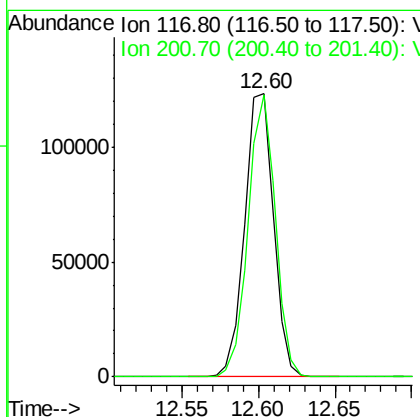
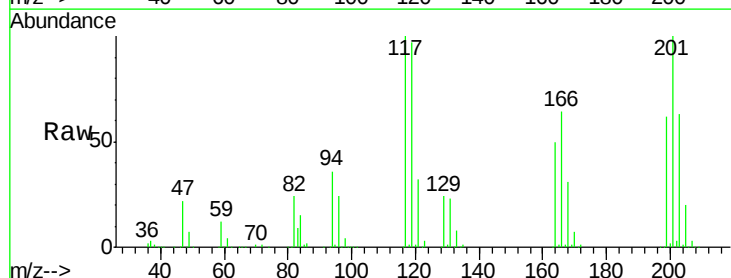
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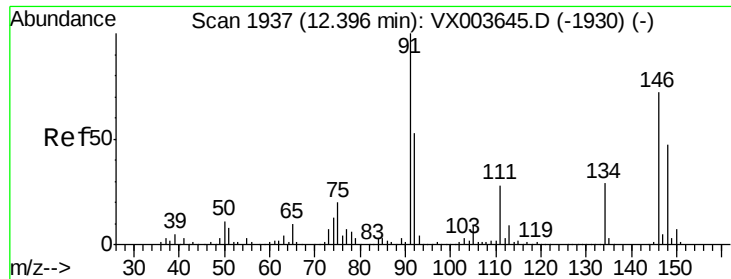
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#90
Hexachloroethane
Concen: 167.673 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	46.2	138.5





#91

1,2-Dichlorobenzene

Concen: 144.530 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Instrument :

MSVOA_X

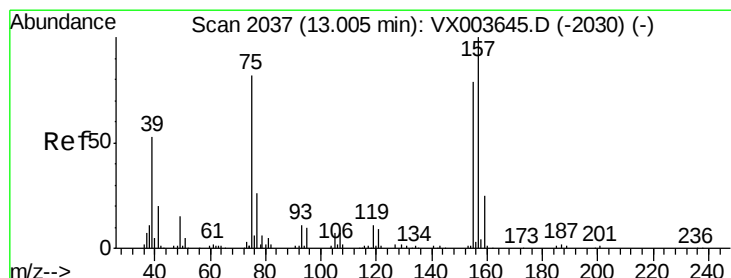
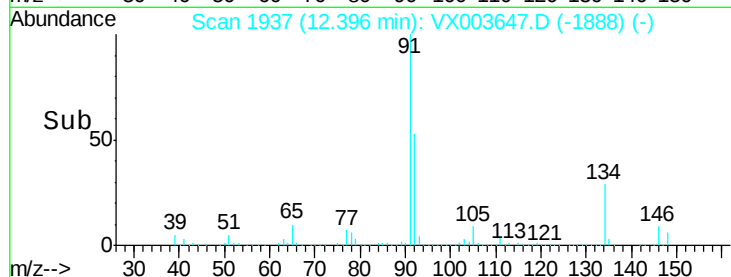
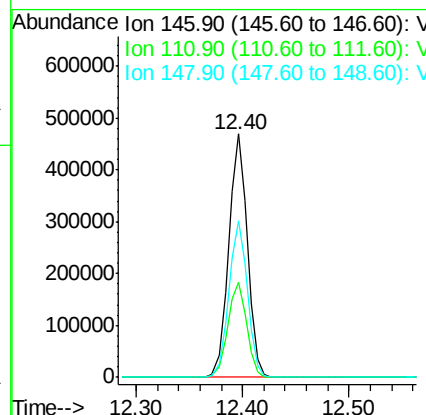
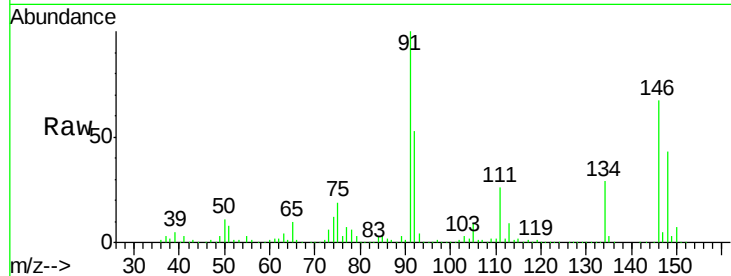
ClientSampleId :

VSTDICC150

Tot Ion:	146	Resp:	572684
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.8	59.4
148	64.4	32.2	96.6

Manual Integrations
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8/2/2018 11:54:18 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 198.055 ug/l

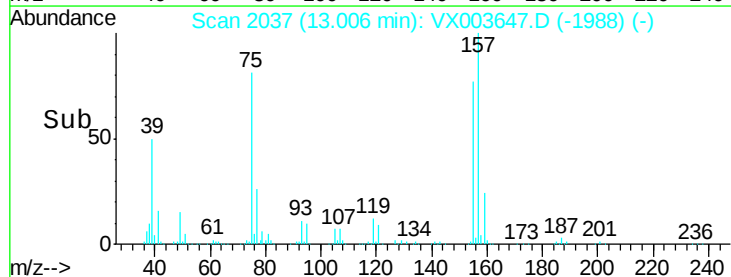
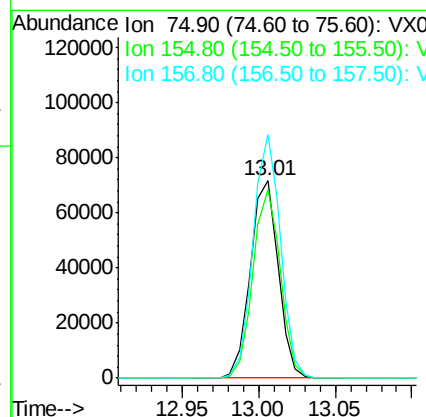
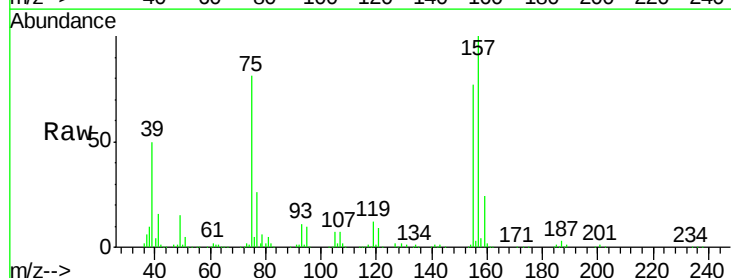
RT: 13.01 min Scan# 2037

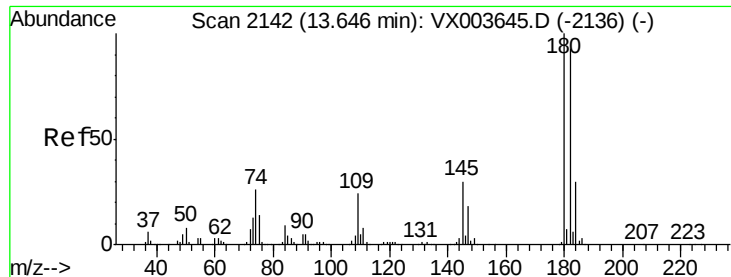
Delta R.T. 0.00 min

Lab File: VX003647.D

Acq: 24 Jul 2018 18:28

Tgt Ion:	75	Resp:	90844
Ion Ratio	Lower	Upper	
75	100		
155	93.8	46.1	138.3
157	120.7	59.7	179.0





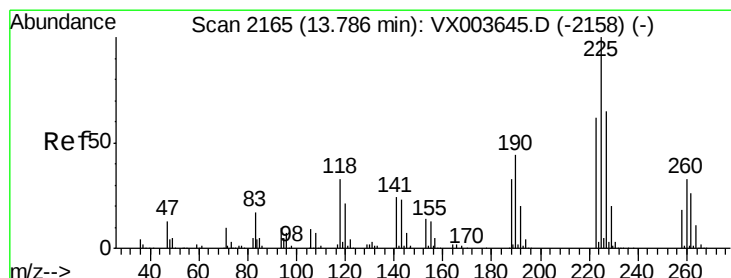
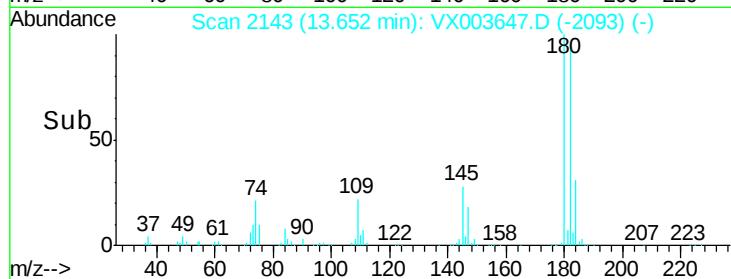
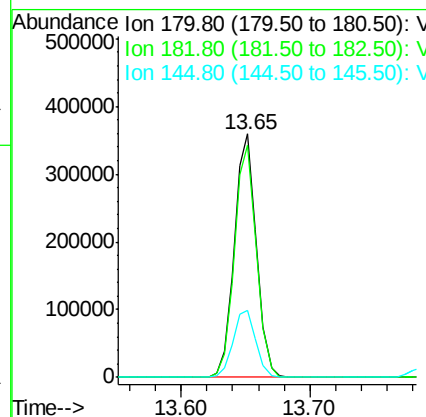
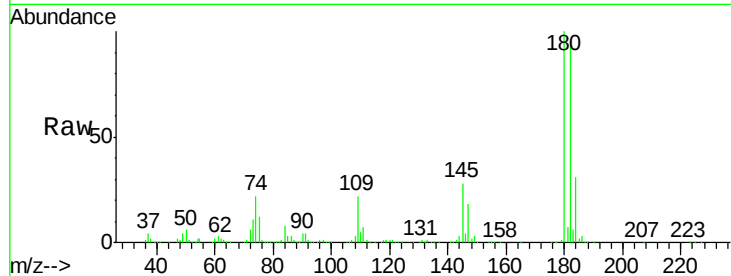
#93
1,2,4-Trichlorobenzene
Concen: 148.023 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.01 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	429123		
182	95.5	47.9	143.8	
145	28.5	14.4	43.2	

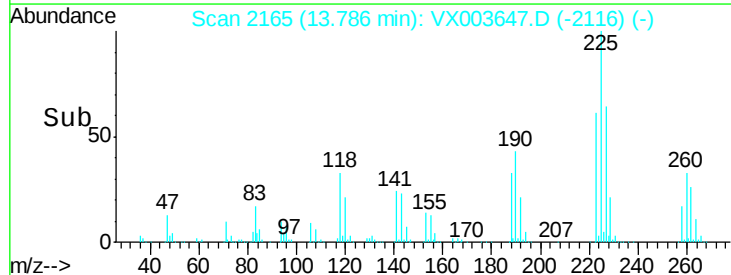
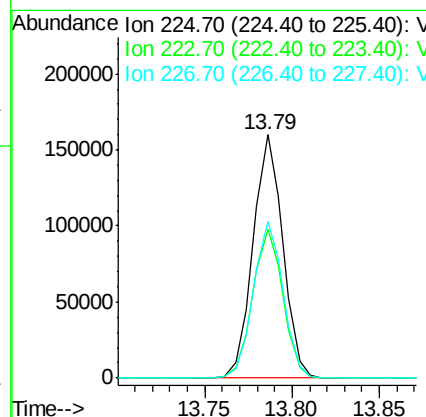
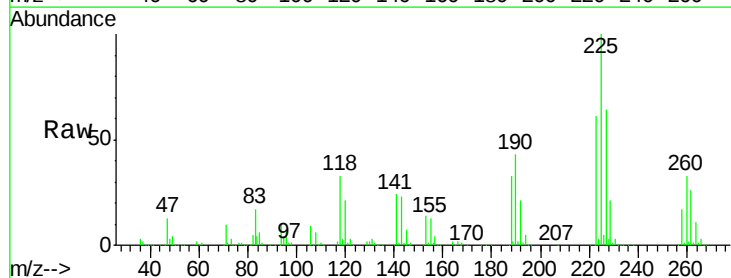
Manual Integrations
APPROVED

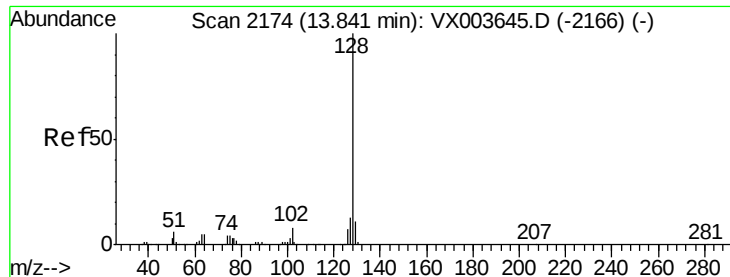
MMDadoda
8/2/2018 11:54:18 AM



#94
Hexachlorobutadiene
Concen: 136.412 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	188210		
223	62.2	30.9	92.5	
227	64.3	31.9	95.7	





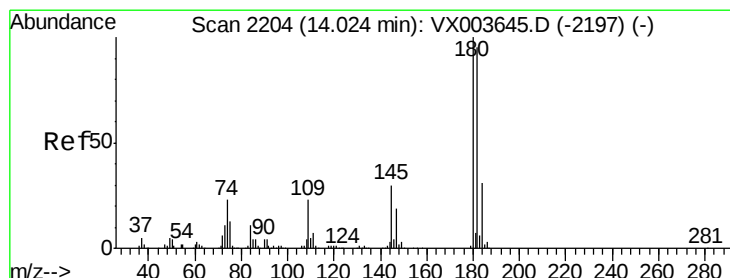
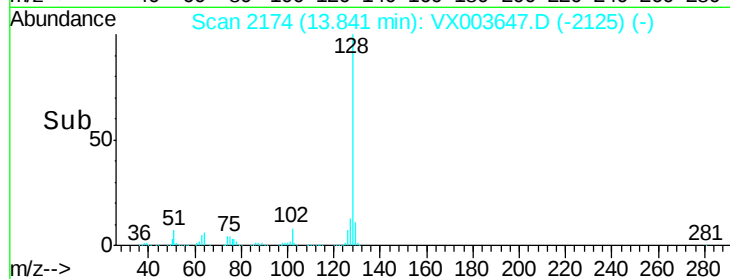
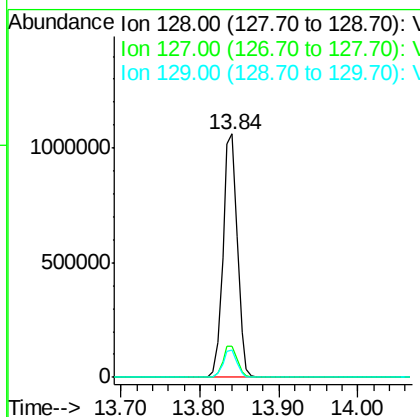
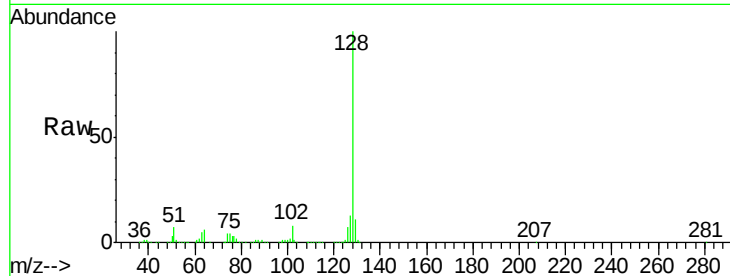
#95
Naphthalene
Concen: 170.733 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/2/2018 11:54:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 148.926 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003647.D
Acq: 24 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	30.3	15.0	45.1

